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Economic Research Aid

ECONOMIC INTELLIGENCE
STATISTICAL HANDBOOK
1964

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CIA/RR A.ERA 64-3

June 1964

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FOREWORD

1. *Purpose and Scope*

The purpose of the *Economic Intelligence Statistical Handbook, 1964*, is to provide reliable statistics that have proved to be of greatest reference value on the economies of the Communist countries* and of the countries of the North Atlantic Treaty Organization (NATO).** Every effort has been made to provide the latest information possible, and extreme care has been exercised in selecting sources, making the data consistent and comparable, and determining that the data are both accurate and meaningful.

The content and format of the *Handbook* have been revised to provide the user with more explicit and extensive economic comparisons. New tables have been added, and some tables of marginal interest in previous issues of the *Handbook* have been excluded.

New concepts in presentation have been used in the *Handbook*—such as tabular graphics, in which the data are presented in a combined table and chart. Both the usual graphics and the tabular graphics are designed for further possible use as visual aids. To facilitate locating all information on a subject, the format of the table of contents has been revised to combine the listing of graphic material and the tables on the same subject rather than to list the graphics separately at the end of the table of contents as in the previous *Hand-*

*Including the USSR, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Rumania, Communist China, North Korea, North Vietnam, Albania, Cuba, Mongolia, and Yugoslavia.

**Including the US, Belgium, Canada, Denmark, France, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the UK, and West Germany. The Saar has been treated as a separate entity for certain commodities because its production often was listed separately in the sources used. Data for Alaska and Hawaii, when available, have been included in the total for the US.

book. Footnotes have been used liberally to denote definitions, exceptions, and methodology.

The data in the *Handbook* are presented for selected years in the period 1955–63, with plan data or estimates of plan data given for the Communist countries for 1965. Summary country tables are presented for all the Communist countries and for India. The data for Mongolia, because of their scarcity, are presented in a country table but are not included in the individual commodity or aggregative tables. Two unclassified tables—Selected Conversion Factors and Foreign Rates of Exchange for Currencies of the Communist Countries—that may be useful for converting data are included immediately following the index.

2. *Rounding and Totals*

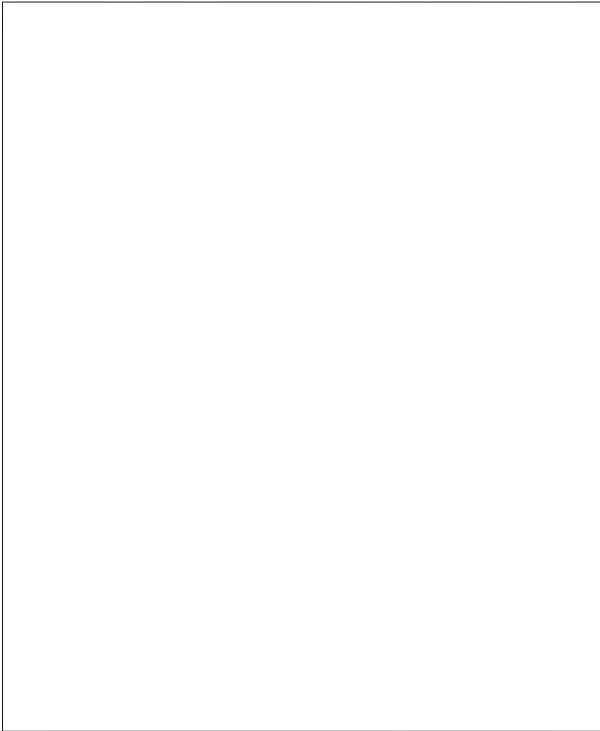
In each table the data for the individual countries have been rounded consistently to permit the maximum use of available information. Because of the limitations in the cumulative data, the totals have been rounded, with few exceptions, to three significant digits. In general, zeros appearing after the last nonzero number following the decimal point are not significant but are used merely for consistency in presentation.

Totals are not presented if missing data are believed to represent a significant part of the total. The data for countries in which little or no production takes place, or for which the data are not available, are not presented. Because of rounding, components may not add to the totals shown.

3. *Symbols*

In the tables the abbreviation *N.A.* (not available) is used when information about the existence of the data or the magnitude of the data is not available, and the abbreviation *Negl.* (negligible) is used when the magnitude of the data is less than half of the final unit employed for each table.

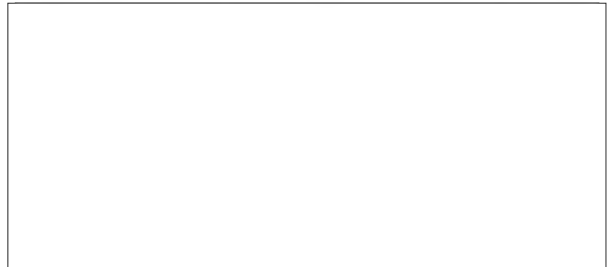
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6. *Acknowledgments*

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Programing, coordination, and assembly of all data for the *Handbook* were the responsibility of the Economics Accounts Section, Publications Staff, Office of Research and Reports (ORR). Numerous contributions were submitted by analysts of this Office, and valuable assistance was given by other governmental organizations. The Cartography Division of ORR designed all of the graphics, and the Printing Services Division of the Office of Logistics had the responsibility for composition and printing.



25X1

SECRET

iii

SECRET

CONTENTS

ECONOMIC INDICATORS

<i>Graphic 1</i> —Comparative Per Capita Production Data on Economic Indicators for the US and the USSR	<i>preceding page</i>	1
---	-----------------------	---

A. AGGREGATIVE DATA

<i>Table</i>		<i>Page</i>
1 (Tabular Graphic)	Comparative Data on Gross National Product for the US and the USSR	1
2	Gross National Product	2
3	Gross National Product, by End Use, for the US and the USSR	3
4	Distribution of Gross National Product, by End Use, for the USSR	4
5	Gross National Product for Selected NATO Countries	5
6	Selected Economic Data for the US and the USSR	6
7	Indexes of Industrial Production	8
8 (Tabular Graphic)	Annual Rates of Growth in Industrial Production in the European Satellites	9
9	Official Communist Indexes of Gross Industrial Production	10
10	Indexes of Industrial Production, by Branch of Industry, for the USSR	11
11	Gross Investment in Industry for the US and the USSR	12

B. SELECTED DATA FOR THE USSR

12 (Tabular Graphic)	Comparison of Estimated Military Expenditures with the Announced Defense Budget for the USSR	13
13	State Budget for the USSR	14
14 (Tabular Graphic)	Annual Rates of Growth in Investment and Defense for the USSR	15
15	Estimated Expenditures for Defense by the USSR	16
16 (Tabular Graphic)	Annual Rates of Growth of Civilian and Military Goods in the USSR	17

POPULATION AND COUNTRY TABLES

<i>Graphic 2</i> —Comparative Data on Population, Selected Years 1950–80	<i>preceding page</i>	19
---	-----------------------	----

SECRET

v

SECRET

A. POPULATION

<i>Table</i>		<i>Page</i>
17	Population	19
18	Labor Force	20
19 (Tabular Graphic)	Distribution of Civilian Employment in the US and the USSR	21
20	Agricultural Labor Force	22
21	Nonagricultural Labor Force	23

B. COUNTRY TABLES

22	India	24
23	USSR	26
24	Bulgaria	28
25	Czechoslovakia	30
26	East Germany	32
27	Hungary	34
28	Poland	36
29	Rumania	38
30	Communist China	40
31	North Korea	42
32	North Vietnam	44
33	Albania	46
34	Mongolia	47
35	Cuba	48
36	Yugoslavia	50

TRADE AND AID

<i>Graphic 3</i>	Selected Data on Foreign Trade for the USSR <i>preceding page</i>	53
------------------	--	----

A. FOREIGN TRADE

37	Trade Turnover of the Communist Countries ...	53
38	Trade within the Communist Countries	54
39	Trade of the Communist Countries with the USSR	55
40	Trade of the Communist Countries with the Free World	56
41	Direction of International Trade of the USSR ...	57
42	Commodity Exports to the Industrial West from the USSR	58
43	Commodity Imports from the Industrial West by the USSR	59
44	Commodity Exports to the Less Developed Coun- tries from the USSR	60
45	Commodity Imports from the Less Developed Countries by the USSR	61
46	Exports of Petroleum by the USSR	62
47 (Tabular Graphic)	Direction of International Trade of Communist China	63
48	Imports of Chemical Equipment by the USSR ..	64

SECRET

B. ECONOMIC AND MILITARY AID

<i>Table</i>		<i>Page</i>
49 (Tabular Graphic)	Communist Economic Aid to the Less Developed Countries, Extended and Drawn, by Year	65
50	Total Economic Aid Extended to Less Developed Countries, by Recipient	66
51 (Tabular Graphic)	Academic and Technical Students from the Less Developed Countries Who Have Been Trained in the Communist Countries, Cumulative Totals by Year	67
52 (Tabular Graphic)	Communist Economic and Military Technicians in the Less Developed Countries, Number Present by Year	68

C. BALANCE OF PAYMENTS

53 (Tabular Graphic)	Hard Currency Payments Deficit for the USSR . .	69
54 (Tabular Graphic)	Production, Disposition, and Reserves of Gold for the USSR	70

AGRICULTURE AND PROCESSED FOODS

<i>Graphic</i> 4—	Comparative Data on Agriculture for the US and the USSR	<i>preceding page</i> 71
-------------------	---	--------------------------

A. LAND UTILIZATION AND FOOD PER CAPITA

55	Land Utilization	71
56	Daily Availability of Food per Capita	72
57 (Tabular Graphic)	Average Diets for the US and the USSR	73
58	Agricultural Production and Availability of Grain in the USSR	74
59 (Tabular Graphic)	Agriculture in the New Lands of the USSR	75
60	Production and Availability of Grain in Communist China	76
61 (Tabular Graphic)	Indexes of Agricultural Production in the European Satellites	77

B. PRODUCTION OF FOOD CROPS

62	Total Grain	78
63	Breadgrains	79
64	Other Grains	80
65	Rice	81
66	Potatoes	82

C. PRODUCTION OF PROCESSED FOODS AND FISH CATCH

67	Meat	83
68	Milk	84
69	Sugar	85
70	Fish Catch	86

D. LIVESTOCK NUMBERS

71	Cattle	87
72	Hogs	88

SECRET

vii

SECRET

E. PRODUCTION OF INDUSTRIAL CROPS

<i>Table</i>		<i>Page</i>
73	Ginned Cotton	89
74	Wool	90

F. PRODUCTION OF EQUIPMENT

75	Grain Combines	91
76	Tractors	92

CHEMICALS AND RUBBER

<i>Graphic 5</i>	—Comparative Data on the Chemical Industry for the US and the USSR	<i>preceding page</i> 93
------------------	---	--------------------------

A. CHEMICALS

77	Sulfuric Acid	93
78	Synthetic Ammonia	94
79	Soda Ash	95
80	Caustic Soda	96
81	Refined Benzol	97
82	Mineral Fertilizers, Nutrient Content	98
83	Mineral Fertilizers, Gross Weight	99
84	Plastics	99

B. RUBBER

85	Rubber Tires	100
86	Synthetic Rubber	101
87	Natural Rubber	101

C. PRODUCTION OF EQUIPMENT

88	Chemical Equipment	102
----	--------------------------	-----

FUELS AND POWER

<i>Graphic 6</i>	—Comparative Data on Fuels and Power for the US and the USSR	<i>preceding page</i> 103
------------------	---	---------------------------

A. FUELS

89	Primary Energy	103
90	Hard Coal	104
91	Brown Coal and Lignite	105
92	Metallurgical Coke	106
93	Crude Oil	107
94	Petroleum Products	108
95	Natural Gas	109

B. POWER

96	Electric Power	110
----	----------------------	-----

C. PRODUCTION OF EQUIPMENT

97	Electric Generators	111
98	Turbines	112

SECRET

MINERALS AND METALS

<i>Table</i>		<i>Page</i>
<i>Graphic 7</i>	—Comparative Data on Minerals and Metals for the US and the USSR	<i>preceding page 113</i>
A. IRON, STEEL, MANGANESE, AND FERROALLOYING METALS		
99	Crude Steel	113
100	Pig Iron and Blast-Furnace Ferroalloys	114
101	Iron Ore	115
102	Manganese Ore	116
103	Refined Nickel	117
104	Chromite	118
105	Molybdenum	119
106	Cobalt	120
107	Tungsten Ore	121
B. NONFERROUS ORES AND METALS		
108	Refined Copper	122
109	Primary Aluminum	123
110	Bauxite	124
111	Smelter Production of Lead	125
112	Refined Zinc	126
113	Smelter Production of Primary Tin Metal	127
114	Primary Magnesium	128
115	Titanium Sponge Metal	128
C. PRODUCTION OF EQUIPMENT		
116	Metallurgical Equipment	129

COMMUNICATIONS

<i>Graphic 8</i>	—Comparative Data on Communications for the US and the USSR	<i>preceding page 131</i>
A. PERFORMANCE		
117	Telephones in Use	131
118	Long-Distance Telephone Calls and Telegrams Sent	132
119	Domestic Stations in the TELEX Network	133
B. PRODUCTION OF EQUIPMENT		
120	Electron Tubes	134
121	Radio Receivers	134
122	Television Receivers	135
C. INVENTORY OF EQUIPMENT		
123	Radio and Television Receivers in Public Use	136

MANUFACTURED ITEMS

<i>Graphic 9</i>	—Comparative Data on Consumer Goods for the US and the USSR	<i>preceding page 137</i>
------------------	---	---------------------------

SECRET

ix

SECRET

A. DURABLE AND NON-DURABLE CONSUMER GOODS

<i>Table</i>		<i>Page</i>
124	Production of Selected Consumer Goods	137
125	Consumption of Selected Consumer Goods	138
126	Cotton Yarn	139
127	Woolen Yarn	140
128	Rayon Yarn and Synthetic Fibers	141
129	Leather Footwear	141

B. PRODUCER GOODS

130	Metalcutting Machine Tools	142
131	Metalfforming Machine Tools	143
132	Electric Motors	143

C. CONSTRUCTION

133	Value of Construction	144
134	Total Housing Construction	145
135	Cement	146

D. MILITARY END ITEMS

136	Inventory of Naval Ships, by Type	147
137	Construction of Naval Ships, by Type	148
138	Production of Military Aircraft, by Type	149

TRANSPORTATION

<i>Graphic 10—Comparative Data on Inland Transport Performance for the US and the USSR</i>	<i>preceding page</i>	151
--	-----------------------	-----

A. PERFORMANCE

139	Inland Transport, in Ton-Kilometers	151
140	Railroad Freight, in Ton-Kilometers	152
141	Railroad Freight, in Tons Carried	153
142	Highway Freight, in Ton-Kilometers	154
143	Highway Freight, in Tons Carried	155
144	Inland Water Freight, in Ton-Kilometers	156
145	Inland Water Freight, in Tons Carried	157
146	Ocean Freight, in Ton-Kilometers	158
147	Passenger-Kilometers Flown by Scheduled Airlines	159
148	Civil Airfreight, in Ton-Kilometers	159
149	Petroleum Pipeline Transportation, in Ton-Kilo- meters	160
150	Petroleum Pipeline Transportation, in Tons Car- ried	160

B. PRODUCTION OF EQUIPMENT

151	Maritime Cargo Ships	161
152	Maritime Tankers	162
153	Fishing Ships	163
154	Mainline Locomotives	164
155	Mainline Diesel Locomotives	165

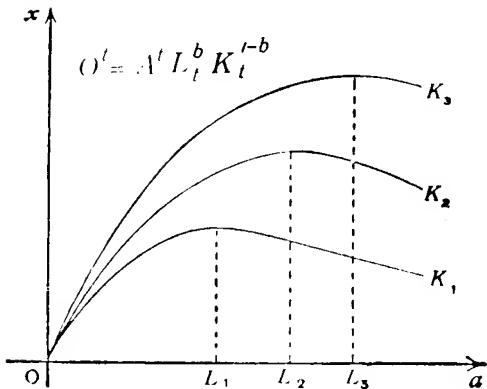
SECRET

<i>Table</i>		<i>Page</i>
156	Mainline Electric Locomotives	165
157	Mainline Railroad Freight Cars	166
158	Automobiles	167
159	Commercial Vehicles	168
C. INVENTORY OF EQUIPMENT		
160	Aircraft in Scheduled Airlines	169
161	Locomotives	170
162	Railroad Freight Cars	171
163	Trucks	172
164	Merchant Fleet	173
165	Tanker Fleet	174

ECONOMIC INDICATORS

$${}_nC_r = \frac{n!}{r!(n-r)!}$$

NATIONAL INCOME

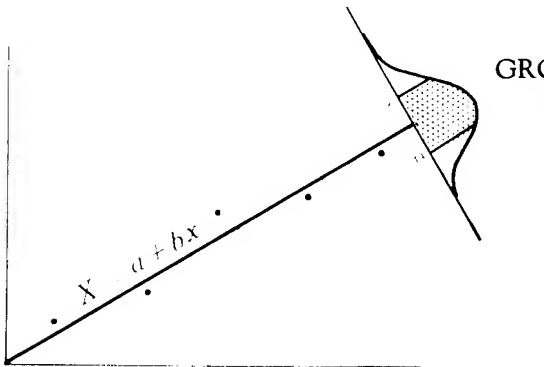


GROSS INDUSTRIAL PRODUCTION

$$P(z) = \int_x^z f(u) du = \frac{1}{\sqrt{2\pi}} \int_x^z e^{-u^2/2} du$$

INDUSTRIAL PRODUCTION

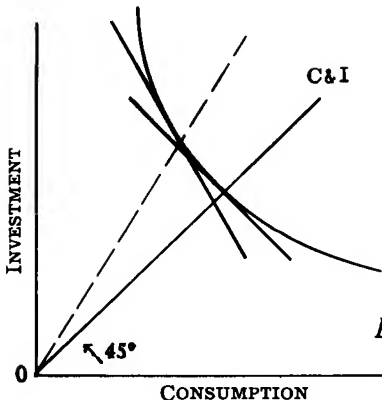
NET INVESTMENT



GROSS NATIONAL PRODUCT

VALUE ADDED

ECONOMIC ACCOUNTS



$$\text{Log } Yx = \log K + AB^x$$

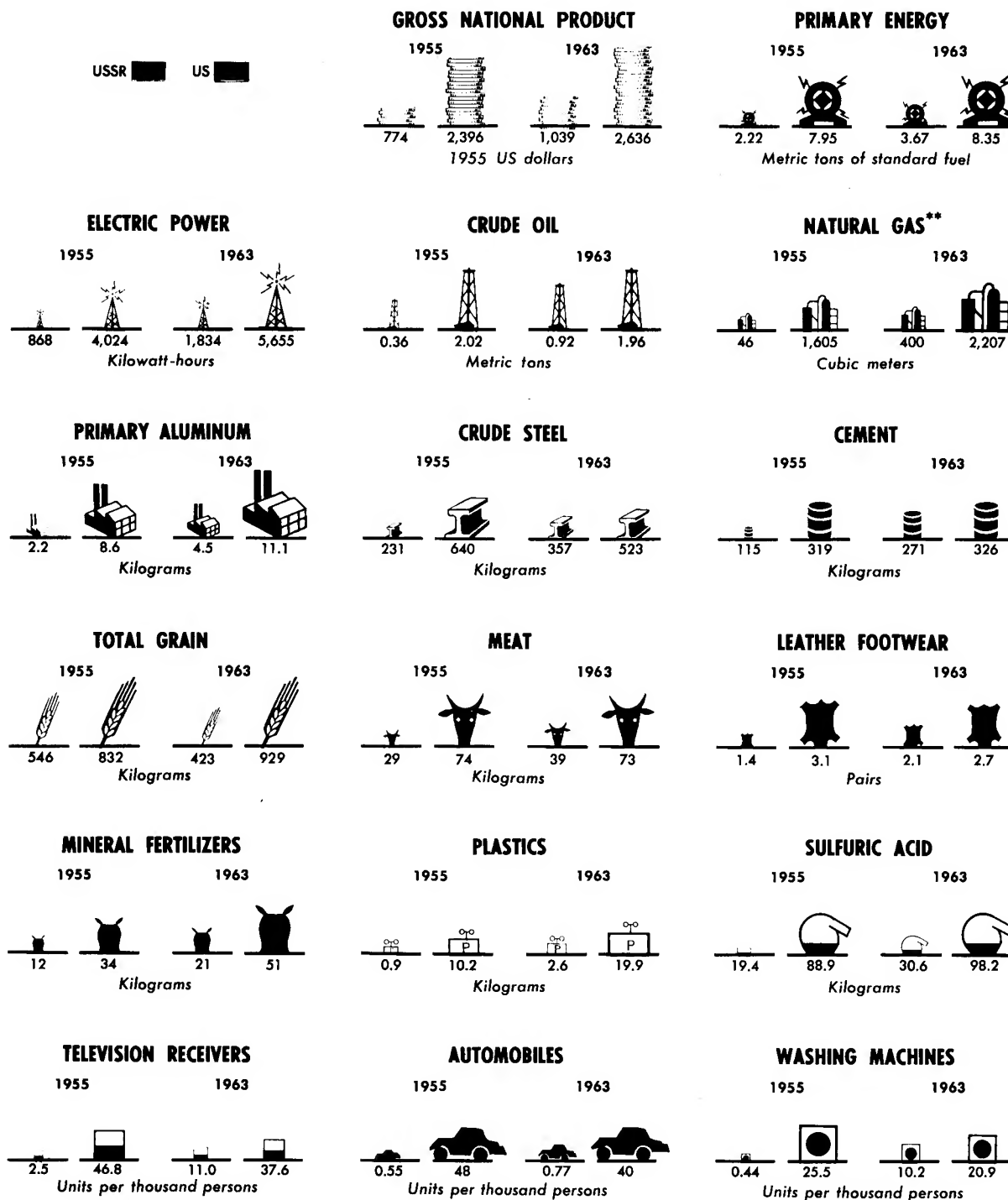
TABLE	PAGE
Graphic 1 COMPARATIVE PER CAPITA PRODUCTION DATA ON ECONOMIC INDICATORS FOR THE US AND THE USSR (Preceding page 1)	
1.* COMPARATIVE DATA ON GNP FOR THE US AND THE USSR	1
2. GROSS NATIONAL PRODUCT	2
3. GROSS NATIONAL PRODUCT, BY END USE, FOR THE US AND THE USSR	3
4. DISTRIBUTION OF GNP, BY END USE, FOR THE USSR	4
5. GROSS NATIONAL PRODUCT FOR SELECTED NATO COUNTRIES	5
6. SELECTED ECONOMIC DATA FOR THE US AND THE USSR	6
7. INDEXES OF INDUSTRIAL PRODUCTION	8
8.* ANNUAL RATES OF GROWTH IN INDUSTRIAL PRODUCTION FOR THE EUROPEAN SATELLITES	9
9. OFFICIAL COMMUNIST INDEXES OF GROSS INDUSTRIAL PRODUCTION	10
10. INDEXES OF INDUSTRIAL PRODUCTION, BY BRANCH OF INDUSTRY, FOR THE USSR	11
11. GROSS INVESTMENT IN INDUSTRY FOR THE US AND THE USSR	12
12.* COMPARISON OF ESTIMATED MILITARY EXPENDITURES WITH THE ANNOUNCED DEFENSE BUDGET FOR THE USSR	13
13. STATE BUDGET FOR THE USSR	14
14.* ANNUAL RATES OF GROWTH IN INVESTMENT AND DEFENSE FOR THE USSR	15
15. ESTIMATED EXPENDITURES FOR DEFENSE BY THE USSR	16
16.* ANNUAL RATES OF GROWTH OF CIVILIAN AND MILITARY GOODS IN THE USSR	17

* Tabular Graphic

SECRET

Graphic 1

COMPARATIVE PER CAPITA DATA ON ECONOMIC INDICATORS* FOR THE US AND THE USSR, 1955 AND 1963



* Production per capita. The comparative sizes of the symbols do not indicate orders of magnitude.

** Data for the US are marketable production, whereas data for the USSR are gross production.

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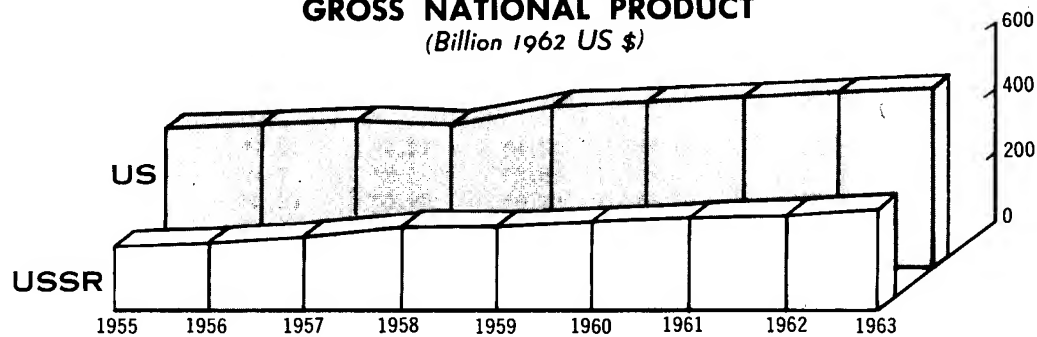
Tabular Graphic

COMPARATIVE DATA ON GROSS NATIONAL PRODUCT* FOR THE US AND THE USSR, 1955-63

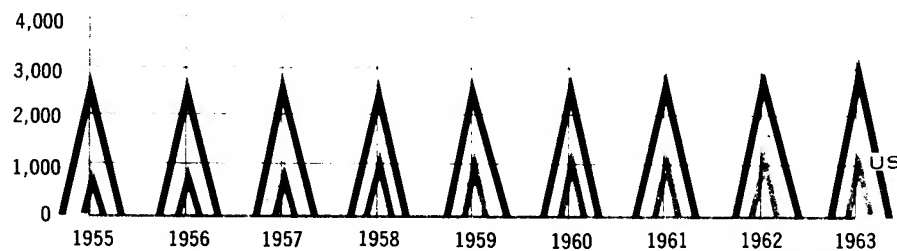
TABLE 1

		1955	1956	1957	1958	1959	1960	1961	1962	1963
GNP (Billion 1962 US \$)	US	459.1	468.5	477.5	469.0	501.1	514.5	523.6	554.9	576.0
	USSR	175.5	190.2	199.2	218.5	226.9	241.3	256.8	263.8	269.7
GNP PER CAPITA (1962 US \$)	US	2,767	2,774	2,776	2,682	2,818	2,847	2,850	2,974	3,041
	USSR	895	953	981	1,054	1,078	1,127	1,179	1,192	1,200
RATES OF GROWTH OF GNP (Percent)	US		2.1	1.9	-1.8	6.8	2.6	1.8	6.0	3.8
	USSR		8.4	4.7	9.7	3.8	6.4	6.4	2.8	2.2
GNP: USSR as a Percent of US		38.2	40.6	41.7	46.6	45.3	46.9	49.0	47.5	46.8

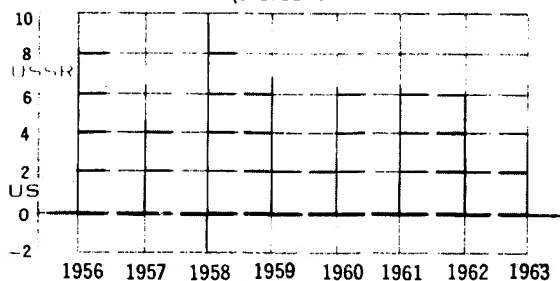
GROSS NATIONAL PRODUCT (Billion 1962 US \$)



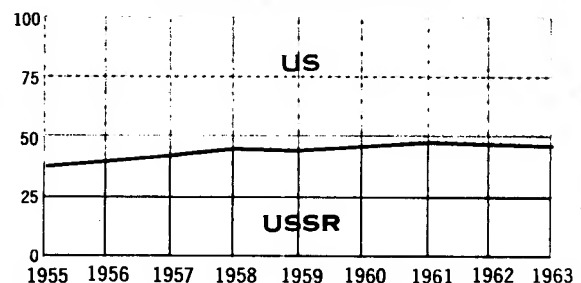
GROSS NATIONAL PRODUCT PER CAPITA (1962 US \$)



RATES OF GROWTH OF GROSS NATIONAL PRODUCT (Percent)



GROSS NATIONAL PRODUCT USSR as a Percent of US



* At Market Prices

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GROSS NATIONAL PRODUCT

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Table 2

Estimated Gross National Product at Market Prices*
Selected Years, 1955-63

	Billion 1955 US \$						Average Annual Rate of Growth ° (Percent) 1956-63
	1955	1958	1960	1961	1962	1963 ^b	
NATO COUNTRIES.....	674*	714*	794*	819*	861*	843*	2.8*
US.....	397.5*	406.0*	445.6*	453.3*	481.0*	499.2*	2.9*
Canada.....	27.1*	30.2*	32.0*	32.8*	34.8*	36.2*	3.7*
European NATO ^d	249*	276*	317*	333*	345*	358*	4.6*
Of which:							
Belgium.....	10.8*	11.2*	12.1*	12.5*	12.9*	13.4*	2.7*
Denmark.....	5.1*	5.6*	6.5*	6.8*	7.1*	7.2*	4.4*
France.....	48.6*	55.5*	61.9*	64.5*	68.6*	71.5*	4.9*
Italy.....	31.5*	36.4*	41.7*	45.1*	47.8*	50.1*	6.0*
Netherlands.....	11.4*	12.2*	13.9*	14.4*	14.7*	15.3*	3.7*
Norway.....	4.3*	4.6*	5.0*	5.4*	5.5*	5.7*	3.6*
UK.....	66.3*	69.6*	75.4*	77.8*	78.0*	80.8*	2.5*
West Germany....	57.6*	67.5*	83.3* ^e	88.2* ^e	91.8* ^e	94.7* ^e	6.4* ^e
COMMUNIST COUNTRIES							
Soviet Bloc.....	211	256	285	302	310	318	5.3
USSR.....	151.8	189.1	208.7	222.2	228.2	233.4	5.5
European Satellites ^f	59.0	67.2	76.0	80.3	81.9	84.2	4.5
Bulgaria.....	2.9	3.5	4.1	4.2	4.4	4.6	6.1
Czechoslovakia....	12.3	14.9	16.9	17.9	18.2	18.3	5.0
East Germany.....	14.7	16.9	18.7	19.2	19.8	20.2	4.1
Hungary.....	6.0	6.7	7.4	7.7	8.1	8.4	4.3
Poland.....	15.4	17.8	19.6	21.3	21.2	21.9	4.5
Rumania.....	7.7	7.4	9.3	10.0	10.2	10.8	4.3
Far East							
Communist China..	48	65	N.A.	N.A.	N.A.	N.A.	N.A.
North Korea.....	0.82	1.30	1.65	1.76	1.90	2.02	11.9
North Vietnam....	0.63	1.01	1.13	1.24	1.40	1.36	10.1

* An asterisk indicates that the data are unclassified.

° A measure of the physical volume of goods and services produced by the economy, expressed in terms of market value at constant prices.

^b Preliminary.

^c The base year is 1955.

^d The dollar values of gross national product (GNP) shown for the individual European NATO countries (total NATO excluding the US and Canada) in 1955 are estimates [redacted] using the geometric mean of European and US weights. The aggregate GNP for the European NATO countries in 1955 was estimated by the US Department of State, using the estimates [redacted] rough calculations for countries not listed. Estimates for other years were obtained by multiplying the 1955 data in dollars by indexes of GNP at constant prices for the respective countries.

^e Including data for the Saar and West Berlin.

^f The values for the European Satellites have been calculated in a manner that makes them reasonably comparable with the values shown for the European NATO countries. Therefore, these estimates for the Satellites should not be compared with dollar values for Western countries that are obtained by applying the official rates of exchange.

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GROSS NATIONAL PRODUCT

Table 3

Gross National Product, by End Use, for the US and USSR
1962

	US	USSR	USSR as Percent of US
	Billion 1962 US \$ *		
Consumption	357.7	105.2	29.4
Investment	97.8	82.1	83.9
Defense	51.8	43.8	84.6
Education	27.2	20.5	75.4
Administration	20.5	12.2	59.5
GNP	554.9	263.8	47.5

* US market prices. Soviet gross national product (GNP) was converted to dollars *not* by the official rate of exchange but by the average purchasing power ratio of the dollar and the ruble calculated from actual (or estimated) prices paid for various goods and services in the two economies.

The end use components of GNP—consumption, investment, and the like—were estimated by different statistical methods and in the Soviet case were made consistent with the total dollar value of GNP by arbitrary adjustments. The Soviet defense expenditure in dollars, however, is unadjusted and is the best estimate of its size compared with US defense expenditures.

The magnitudes for the Soviet end use components are calculated to measure quantity of output compared with the US but not the cost in resources. The share of total economic resources devoted to a particular end use in the USSR should be measured in internal ruble prices and costs. Agriculture alone uses 43 percent of the labor force, or 49 million people, as a result of the inefficiency of that sector in the USSR.

The adjusted component parts of GNP are defined as follows:

1. Consumption equals personal expenditures on goods and services for all purposes except educational plus noninvestment outlays by government on goods and services for health. (The unadjusted data for the US is \$355.4 billion.)

2. Investment is defined as the sum of expenditures for (a) gross private domestic investment, net of investment in education facilities; (b) public construction other than that for education and defense facilities; (c) equipment purchased by government except that for education and defense; (d) defense stockpiling and defense-production expansion; (e) net exports of goods and services; (f) net military grants to foreign countries; and for the US, (g) state and local government expenditures for atomic energy development. (The unadjusted data for the US is \$78.8 billion.)

3. Defense as a component of GNP includes government purchases of goods and services for the military services, federal government expenditures on atomic energy development, and outlays on space research and technology. Defense excludes stockpiling activities and net military grants for foreign military assistance. (The unadjusted data for the US is \$55.5 billion.)

4. Education includes private and public expenditures on goods and services for education both for current use and for investment purposes. (The unadjusted data for the US is \$22.0 billion.)

5. Administration as a component of GNP is the residual left after all current expenditures for national defense, health, and education and all capital expenditures are subtracted from government purchases of goods and services. (There is no equivalent category for the unadjusted data for the US.)

SECRET

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DISTRIBUTION OF GNP FOR THE USSR

SECRET

Table 4

Distribution of Gross National Product, by End Use, for the USSR
(Adjusted Factor Cost) *
Selected Years, 1955-63

End Use	Percent of Total						
	1955	1958	1959	1960	1961	1962	1963
Consumption.....	63.0	60.7	59.7	60.7	59.9	59.8	59.3
Investment.....	22.0	28.1	29.0	27.8	28.9	28.9	28.6
New fixed.....	17.4	21.3	22.4	23.5	23.2	23.1	23.3
Other.....	4.6	6.8	6.6	4.4	5.8	5.7	5.4
Defense.....	12.7	9.7	9.8	10.1	9.9	10.1	10.8
Administration.....	2.4	1.5	1.4	1.4	1.3	1.2	1.2
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0

* Because of the well-known difficulties in using Soviet prices as a measure of resource burden, the shares of GNP in this table are based on GNP at factor cost. In calculating GNP at factor cost, 1955 end use weights have been revised from a market price basis to a factor cost basis by subtracting turnover taxes and adding amortization charges, implicit interest costs, agricultural land rent, and subsidies. These revised weights are then moved over time by indexes of the value of the various end uses in constant market prices.

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Table 5

Gross National Product * for Selected NATO Countries
1955-63

1962 Market Prices

NATO Countries	Monetary Unit	1955	1956	1957	1958	1959	1960	1961	1962	1963
Belgium.....	Billion Belgian francs.....	531.5*	545.3*	560.2*	553.4*	564.4*	594.9*	613.7*	637.2*	662.7*
Canada.....	Million Canadian dollars..	31,460*	34,196*	34,616*	35,068*	36,242*	37,066*	38,010*	40,359*	42,014*
Denmark.....	Million Danish kroner....	36,380*	37,158*	39,014*	40,107*	42,990*	46,255*	48,370*	50,852*	51,767*
France.....	Billion new francs.....	250.43*	263.01*	278.75*	285.85*	297.06*	318.91*	332.56*	353.56*	368.76*
Greece.....	Million drachmas.....	77,174*	82,585*	90,091*	92,573*	96,067*	100,185*	112,561*	117,643*	127,054*
Iceland.....	Million Icelandic kronur...	7,752*	8,188*	7,961*	8,604*	8,956*	9,158*	9,844*	11,258*	11,821*
Italy.....	Billion lire.....	16,258*	16,942*	17,979*	18,777*	20,152*	21,513*	23,298*	24,693*	25,878*
Netherlands....	Million guilders.....	36,761*	38,026*	39,229*	39,195*	41,221*	44,901*	46,285*	47,550*	49,595*
Norway.....	Million Norwegian kroner..	28,842*	30,263*	30,892*	30,733*	31,873*	33,823*	36,002*	37,001*	38,574*
Turkey.....	Million Turkish liras.....	41,125*	43,924*	46,729*	49,126*	51,102*	53,007*	52,096*	55,216*	58,529*
UK.....	Million pounds sterling....	23,999*	24,533*	24,945*	25,191*	26,092*	27,278*	28,170*	28,238*	29,255*
West Germany..	Billion Deutsche Mark....	222.64*	238.32*	252.19*	260.99*	279.48*	321.98* ^b	340.82* ^b	354.80* ^b	366.15* ^b

* An asterisk indicates that the data are unclassified.

* This series for gross national product (GNP) is an acceptable series insofar as comparability in the monetary units of the individual countries is concerned. The series is inadequate, however, for international comparisons based on the conversion of GNP into a single currency using the various rates of exchange. Such international comparisons (based on rates of exchange) are of doubtful value because the rates do not adequately indicate relative purchasing power. The more correct series for comparison of GNP is to be found in Table 2, p. 2, above. The following current rates of exchange are presented for the purpose of quick conversion of the data into US dollars when no international comparison is to be made.

Monetary Unit per US \$1

Belgium.....	Franc.....	0.020*	Iceland.....	Krona.....	0.023*	Turkey.....	Lira.....	0.111*
Canada.....	Dollar.....	0.925*	Italy.....	Lira.....	0.0016*	UK.....	Pound sterling.....	2.800*
Denmark.....	Krone.....	0.145*	Netherlands.....	Guilder.....	0.276*	West Germany..	Deutsche Mark.....	0.250*
France.....	New franc.....	0.203*	Norway.....	Krone.....	0.140*			
Greece.....	Drachma.....	0.033*						

^b Including data for the Saar and West Berlin.

Table 6

Comparison of Selected Economic Indicators for the US and the USSR
Selected Years, 1955-63

Product, Unit of Measure, and Country	1955	1958	1960	1961	1962	1963	Average Annual Rate of Growth* (Percent) 1956-63
Gross national product (billion 1955 US \$)							
US.....	398*	406*	446*	453*	481*	499*	2.9*
USSR.....	152	189	209	222	228	233	5.5
Industrial production (1955=100)							
US.....	100*	97*	112*	113*	123*	130*	3.3*
USSR.....	100	127	150	161	172	184	7.9
Total population (midyear population in millions)							
US.....	165.9*	174.9*	180.7*	183.7*	186.6*	189.4*	1.7*
USSR.....	196.1*	206.8*	214.2*	217.9*	221.4*	224.7*	1.7*
Electric power (billion kilowatt-hours)							
US.....	668*	768*	894*	933*	1,001*	1,071*	6.1*
USSR.....	170*	235*	292*	328*	369*	412*	11.7*
Primary energy (million metric tons of standard fuel)							
US.....	1,319*	1,335*	1,429*	1,447*	1,506*	1,582*	2.3*
USSR.....	435.5*	580.5*	662.7*	705.5*	763.5*	824.7*	8.3*
Crude oil (million metric tons)							
US.....	335.7*	331.0*	348.0*	354.3*	361.7*	372.0*	1.3*
USSR.....	70.8*	113.2*	147.9*	166.1*	186.2*	206.1*	14.3*
Refined copper (thousand metric tons)							
US.....	1,436*	1,450*	1,643*	1,662*	1,726*	1,722*	2.3*
USSR.....	377*	406*	490*	530*	590*	644*	6.9*

ECONOMIC INDICATORS

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Total grain (million metric tons)							
US.....	138*	173*	181*	164*	163*	176*	3.1*
USSR.....	107*	125	100	115	115	95	-1.5
Meat (million metric tons)							
US.....	12.2*	11.6*	12.8*	13.0*	13.1*	13.9*	1.6*
USSR.....	5.7*	6.8*	7.4*	7.4*	8.1*	8.9*	5.7*
Wool (grease basis) (thousand metric tons)							
US.....	138*	133*	146*	145*	136*	132*	-0.6*
USSR.....	256*	322*	357*	366*	371*	374*	4.9*
Sulfuric acid (million metric tons)							
US.....	14.7*	14.5*	16.2*	16.2*	17.6*	18.6*	3.0*
USSR.....	3.8*	4.8*	5.4*	5.7*	6.1*	6.9*	7.7*
Radio and television receivers (million units)							
US.....	22.28*	17.47*	23.68*	24.56*	26.93*	26.86*	2.4*
USSR.....	4.04*	4.88*	5.89*	6.18*	6.42*	7.28*	7.6*
Motor vehicles ° (thousand units)							
US.....	9,169*	5,135*	7,869*	6,676*	7,951*	9,078*	-0.1*
USSR.....	445*	511*	524*	555*	578*	587*	3.5*
Total inland transport (billion metric ton-kilometers)							
US.....	2,400*	2,300*	2,500*	2,510*	2,640*	2,780*	1.9*
USSR.....	1,140*	1,530*	1,790*	1,880*	1,980*	2,120*	8.1*
Cement (million metric tons)							
US.....	53.0*	54.8*	56.1*	56.7*	58.9*	61.7*	1.9*
USSR.....	22.5*	33.3*	45.5*	50.9*	57.3*	61.0*	13.3*

* An asterisk indicates that the data are unclassified.

° The base year is 1955.

° Data have been revised from the previous *Handbook*. Previous data were official Soviet statistics adjusted to agree with US definitions and were reduced, when necessary, to allow for overestimation of production data. Data, as now presented, have been adjusted only for the overestimation in the official statistics and are not necessarily comparable with US data. Including slaughter fats.

* Including automobiles, light and heavy trucks, wheeled tractors for road haulage, special vehicles, and buses. Data for the US are factory sales, including parts shipped for assembly abroad.

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ECONOMIC INDICATORS

INDEX OF INDUSTRIAL PRODUCTION

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Table 7

Indexes of Industrial Production * for Selected NATO and Communist Countries
Selected Years, 1955-63

	1955=100						Average Annual Rate of Growth ^b (Percent) 1956-63
	1955	1958	1960	1961	1962	1963	
NATO COUNTRIES							
US.....	100*	97*	112*	113*	123*	130*	3.3*
France.....	100*	124*	143*	150*	159*	167*	6.6*
Italy.....	100*	120*	153*	170*	187*	204*	9.3*
UK.....	100*	100*	113*	114*	115*	119*	2.2*
West Germany °...	100*	118*	140*	147*	154*	159*	6.0*
COMMUNIST COUNTRIES							
Soviet Bloc							
USSR ^d	100	127	150	161	172	184	7.9
European Satellites °							
Bulgaria.....	100	139	183	197	215	232	11.1
Czechoslovakia....	100	131	155	170	180	180	7.6
East Germany.....	100	121	141	147	154	159	6.0
Hungary.....	100	112	131	144	156	163	6.3
Poland.....	100	124	148	162	175	184	7.9
Rumania.....	100	131	170	194	221	245	11.8
Far East							
Communist China ^f .	100	204	N.A.	N.A.	N.A.	N.A.	N.A.
Other Communist Countries							
Yugoslavia.....	100*	143*	187*	200*	214*	247*	12.0*

* An asterisk indicates that the data are unclassified.

^a Indexes for the US, France, Italy, the UK, and West Germany are value-added weighted indexes of intermediate and final products of industry. Industry includes manufacturing and mining and, in most countries, public utilities. The index for the UK includes construction, whereas the indexes for the other Western countries exclude construction. The indexes for the Communist countries are estimates of this Office—constructed as nearly as possible on the same basis as the indexes for Western countries—or other calculations accepted by this Office. The indexes for Rumania (for most years) and Yugoslavia are official calculations. The indexes for the Communist countries include manufacturing, mining, and public utilities.

^b The base year is 1955.

^c Excluding the Saar and West Berlin.

^d Index of gross values for individual commodities and branches aggregated by 1955 value-added weights. The three sectors covered—materials, machinery, and consumer goods—comprise 44.3 percent, 34.2 percent, and 21.5 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of industrial production of the US Federal Reserve Board.

^e Indexes for Bulgaria, Czechoslovakia, Hungary, and Poland through 1960 are from private studies. The index for Rumania for 1958 and 1960-62 is an official calculation. All other index numbers are estimates of this Office.

^f Estimates of this Office computed by applying value-added weights to data for commodity production.

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Tabular Graphic

ANNUAL RATES OF GROWTH IN INDUSTRIAL PRODUCTION IN THE EUROPEAN SATELLITES, 1955-63

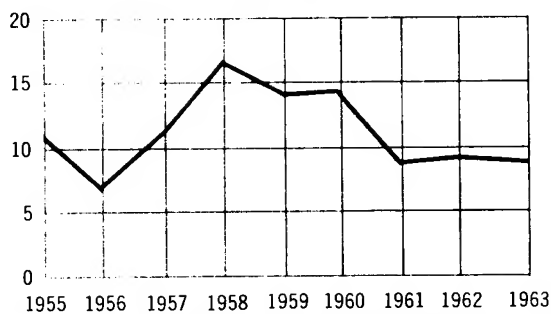
TABLE 8

PERCENTAGE CHANGE FROM THE PREVIOUS YEAR

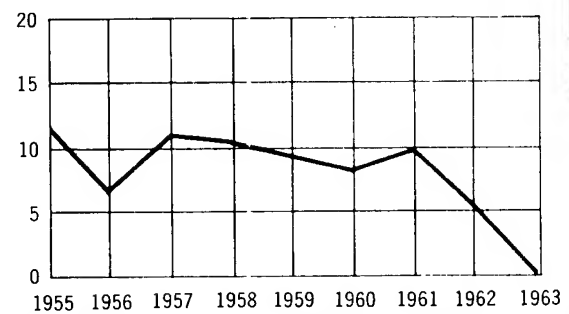
	1955	1956	1957	1958	1959	1960	1961	1962	1963
BULGARIA	11.9	7.0	10.8	17.2	14.6	14.8	8	9	8
CZECHOSLOVAKIA	11.4	6.7	10.7	10.5	9.6	8.2	10	5.9	0
EAST GERMANY	4.9	5.5	5.8	8.1	10.0	6.5	3.8	4.7	3.5
HUNGARY	7.5	-8.6	10.9	10.2	7.8	8.6	10.4	7.9	5
POLAND	8.9	6.5	8.5	7.6	7.7	10.3	9.8	7.9	4.9
RUMANIA	14	3	13	13	11	17	14	14	11
EUROPEAN SATELLITES	8.6	5.0	8.4	9.5	9.5	9.4	8.0	7.9	4.3

(Percentage Change
From the Previous Year)

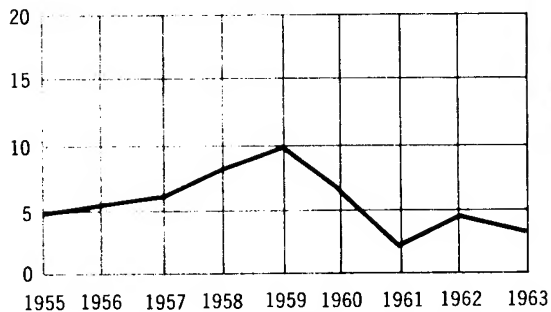
BULGARIA
(Percent)



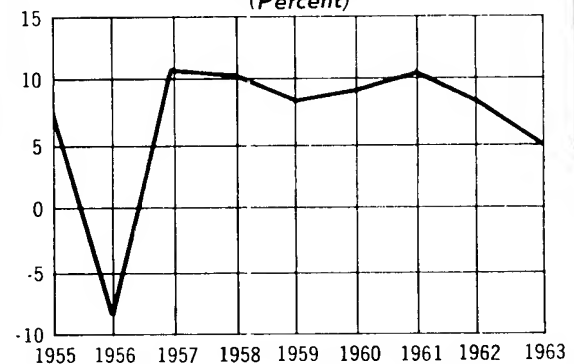
CZECHOSLOVAKIA
(Percent)



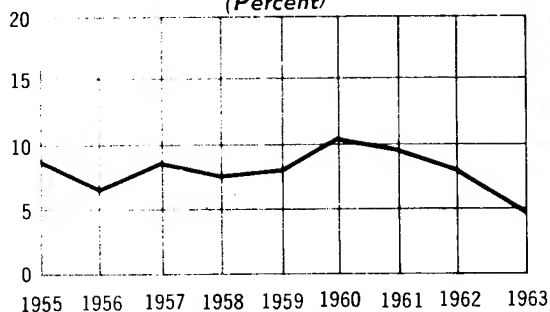
EAST GERMANY
(Percent)



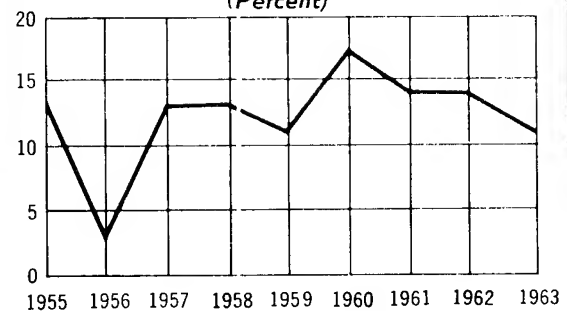
HUNGARY
(Percent)



POLAND
(Percent)



RUMANIA
(Percent)

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INDEXES OF INDUSTRIAL PRODUCTION

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Table 9

Official Communist Indexes of Gross Industrial Production *
Selected Years, 1955-63, and 1965 Plan

	1955=100							Average Annual Rate of Growth ^b 1956-63 (Percent)
	1955	1958	1960	1961	1962	1963	1965 Plan	
COMMUNIST COUNTRIES								
Soviet Bloc								
USSR.....	100*	135*	163*	179*	196*	213* °	250* d	9.9*
European Satellites								
Bulgaria.....	100*	153*	209*	233*	260*	286*	355*	14.0*
Czechoslovakia....	100*	134*	166*	181*	192*	191*		8.4*
East Germany.....	100*	127*	155*	164*	174*	183*		7.8*
Hungary.....	100*	117*	143*	158*	171*	183*	213* °	7.8*
Poland.....	100*	132*	160*	176*	191*	201*	243*	9.1*
Rumania.....	100*	132*	168*	194*	221*	248*	305*	12.0*
Far East								
Communist China..	100*	237*	N.A.	N.A.	N.A.	N.A.		N.A.
North Korea.....	100*	252*	444*	506*	607*	656*	841*	26.5*
North Vietnam....	100*	312*	474*	538*	677*	721*	1,038*	28.0*
Other Communist Countries								
Albania.....	100*	163*	216*	231*	246*	262*	328*	12.8*

* An asterisk indicates that the data are unclassified.

^a These indexes are measures of the "gross" value of production of industry at constant prices. The gross value of production is, in general, the sum of the value of output of all industrial enterprises. The definition of industry in Communist countries includes not only manufacturing, mining, and public utilities as in most Western definitions of industry but also certain other activities (varying from country to country).

^b The base year is 1955.

^c Based on plan fulfillment data.

^d Based on the new Two Year Plan (1964-65).

^e Midpoint of the range of planned production for socialized industry for 1965 of 212 to 214.

Table 10

Indexes of Industrial Production, by Branch of Industry, for the USSR
Selected Years, 1950-63

1955=100

	1950	1955	1956	1957	1958	1959	1960	1961	1962	1963
Industrial materials.....	61.6	100.0	108.9	119.8	131.8	144.9	154.0	162.6	173.8	186.3
Electric power.....	54.0	100.0	112.7	123.5	138.6	155.7	171.8	192.6	216.6	242.9
Coal.....	66.9	100.0	109.8	118.6	127.2	130.5	132.8	132.7	135.1	139.1
Petroleum products and gas.....	57.2	100.0	119.3	140.1	161.4	184.8	210.5	236.4	268.3	298.1
Ferrous metals.....	59.1	100.0	107.1	113.8	122.0	133.1	144.2	156.4	167.9	176.6
Nonferrous metals.....	51.7	100.0	106.7	112.1	117.6	129.1	141.8	153.7	167.6	180.4
Forest products.....	75.7	100.0	103.1	109.6	116.0	124.6	119.2	114.8	115.5	120.2
Paper and paperboard products.....	62.2	100.0	107.8	117.2	125.1	130.7	136.5	144.6	154.7	164.7
Construction materials.....	45.3	100.0	115.7	140.5	169.3	199.4	229.6	253.5	275.9	294.1
Chemicals.....	53.9	100.0	111.4	125.3	141.4	159.5	175.2	191.2	212.0	241.1
Machinery.....	63.0	100.0	108.6	116.6	123.7	137.0	151.4	169.1	185.0	202.0
Civilian machinery.....	62.4	100.0	117.2	134.6	145.9	155.4	169.9	189.5	208.6	226.9
Military machinery.....	63.5	100.0	100.0	98.6	101.4	118.6	132.9	148.6	161.4	177.1
Consumer goods.....	63.6	100.0	107.4	114.3	122.8	131.5	137.2	143.6	149.9	150.5
Soft goods.....	61.7	100.0	106.7	113.7	123.0	131.3	139.0	143.4	149.3	152.6
Processed foods.....	67.0	100.0	108.7	115.3	122.4	131.9	134.1	143.9	151.1	147.0
Total industrial production.....	62.5	100.0	108.5	117.5	127.1	139.3	149.5	160.7	172.5	184.0

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INDEX OF INDUSTRIAL PRODUCTION

GROSS INVESTMENT

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Table 11

Gross Investment in Industry for the US and the USSR ^a
Selected Years, 1955-63

	1955	1958	1960	1961	1962	1963	Average Annual Rate of Growth, ^b 1956-63 (Percent)
US ^c							
Billion 1955 US \$.....	16.71	16.07	17.89	16.94	17.70	18.43	
Index 1955 = 100.....	100.0	96.2	107.1	101.4	105.9	110.3	1.2
USSR ^d							
Billion new rubles ^e							
(1955 prices).....	8.00	10.80	13.72	14.31	15.18	15.90	
Index 1955 = 100.....	100.0	135.0	171.5	178.9	189.8	198.8	9.0

^a Comparability of the data is subject to varying problems of definition and interpretation. Among the problems that must be reckoned with are the relative efficiency of investment, the index number effect, the lag-lead time for investment completion, the relative pressures of demand upon supply in two heterogeneous economies, the problem of investment concentration, the classification of government expenditures for the US, and the ratio of net capital formation to gross capital formation. The indexes are useful, however, as an indicator of growth, although growth in gross investment in industry may not have brought about a corresponding growth in economic activity.

^b The base year is 1955.

^c Data for the US are for investment in new plant and equipment in the three categories of manufacturing, mining, and public utilities. Investment data in current dollars are from the *Survey of Current Business*, and the deflator used to derive the constant values is a weighted deflator based on implicit price deflators for producers' durable equipment and other new construction from *Economic Report of the President*, January 1964.

^d Industry in the USSR covers manufacturing, mining, and electric power. Urban distribution of electric power is excluded. The original investment data for the USSR included the Soviet category "Building Materials and Construction Industry." To eliminate the data for investment in the construction industry and to arrive at gross investment in industry, the following data (Million new rubles expressed in 1955 prices) were used:

	1955	1958	1960	1961	1962	1963
Gross investment in industry and construction ¹	8,249 ²	11,231	14,323	14,935	15,763	16,640 ³
Construction ⁴	248	434	601	628	582	740
Industry ⁵	8,001	10,797	13,722	14,307	15,181	15,900

¹ Unless otherwise indicated, data are from *Narodnoye khozyaystvo SSSR v 1962 godu*, Moscow, 1963, p. 434.

² Computed from data in *Kapital'noye stroitel'stvo v SSSR*, Moscow, 1961, p. 63-64.

³ Estimated by assuming industry's share in total investment remained approximately at the level of 1962.

⁴ Gross investment in construction is estimated to have been 30 percent during 1950-62 and 40 percent in 1963 of total gross investment in the combined building materials and construction industry.

⁵ Computed as a residual by subtracting gross investment in construction alone (line 2) from gross investment in industry and construction combined (line 1).

^e Because of the difficulties associated with evaluating the effectiveness of resource allocation for different economies in one currency and because of the problems associated with evaluating what a Soviet program would cost in the US (or what burden such a priced program would have on the Soviet economy), no attempt has been made to convert the ruble values into dollars.

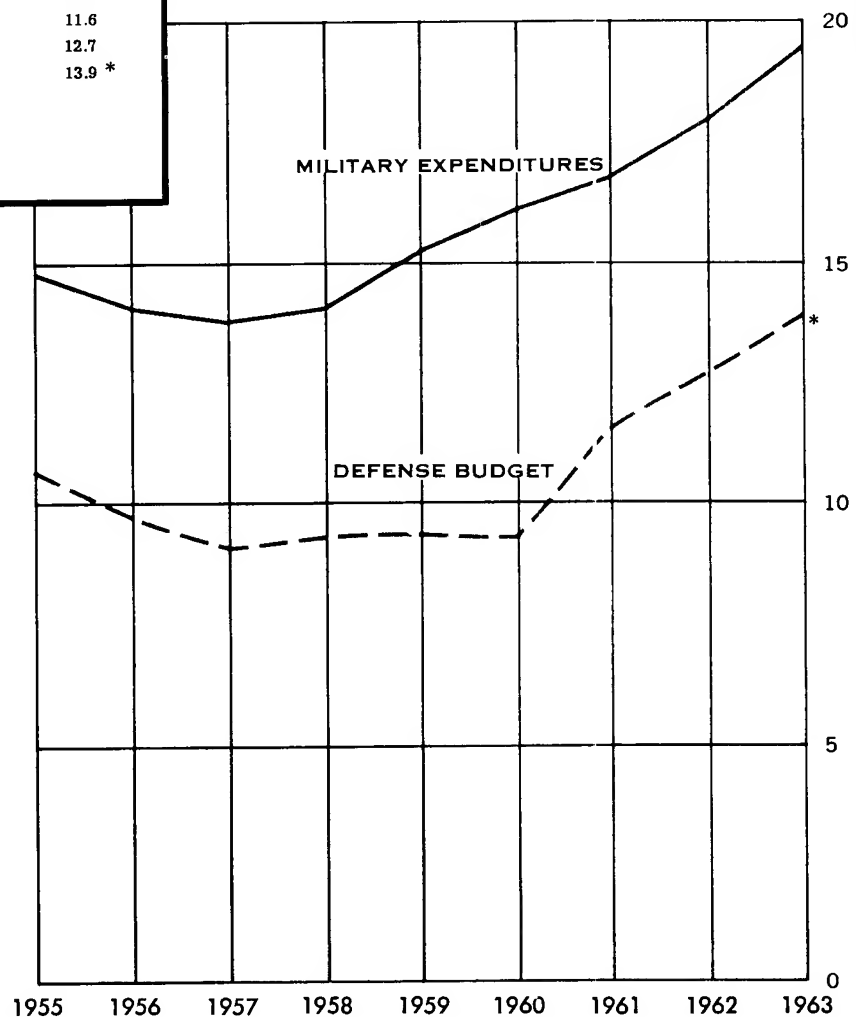
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Tabular Graphic

TABLE 12

	<u>BILLION NEW RUBLES</u>	
	<u>MILITARY EXPENDITURES</u>	<u>DEFENSE BUDGET</u>
1955	14.8	10.7
1956	14.1	9.7
1957	13.8	9.1
1958	14.0	9.4
1959	15.2	9.4
1960	16.1	9.3
1961	16.7	11.6
1962	17.9	12.7
1963	19.5	13.9 *

COMPARISON OF ESTIMATED MILITARY EXPENDITURES WITH THE ANNOUNCED DEFENSE BUDGET FOR THE USSR 1955-63

(Billion New Rubles)

* Planned

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 GROUP 1
 EXCLUDED FROM AUTOMATIC DOWNGRADING
 AND DECLASSIFICATION

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STATE BUDGET FOR THE USSR

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Table 13

State Budget for the USSR
1958, 1962-63, and 1964-65 Plan

Billion New Rubles

Category	1958	1962	1963		1964	1965
	Actual	Actual	Plan	Actual	Plan	Plan
Revenues						
Social Sector.....	60.40*	76.7*	79.8*	N.A.	84.7*	93.6*
Turnover Tax.....	30.45*	32.9*	33.9*	34.5*	35.2*	37.6*
Profit Deductions.....	13.54*	23.9*	26.1*	N.A.	29.5*	34.8*
MTS-RTS *.....	0.97*	0*	0*	N.A.	0*	0*
Taxes on Enterprises and Organi- zations.....	1.66*	1.3*	1.3*	N.A.	1.4*	1.6*
Social Insurance Receipts.....	3.26*	4.5*	4.7*	N.A.	4.9*	5.2*
Residual.....	10.52*	14.1*	13.8*	N.A.	13.7*	14.4*
Private Sector.....	6.83*	7.6*	7.9*	N.A.	7.2* ^b	7.6* ^b
State Taxes on the Population....	5.19*	6.0*	6.3*	N.A.	6.7*	N.A.
State Loans.....	1.06*	1.2*	1.1*	1.4*	0.5* ^b	N.A.
Local Taxes and Lottery Revenue.	0.58*	0.4*	0.5*	N.A.		N.A.
Total.....	67.24*	84.3*	87.7*	88.6*	91.9* ^b	101.2* ^b
Expenditures						
Financing the National Economy...	29.03*	36.2*	34.5*	(37.2)* ^c	38.7*	41.2*
Industry and Construction.....	13.67*	N.A.	15.5*	N.A.	N.A.	N.A.
Agriculture, Forestry, and MTS- RTS *.....	4.00*	N.A.	(5.7)* ^d	N.A.	N.A.	N.A.
Transportation and Communi- cations.....	2.41*	N.A.	2.4*	N.A.	N.A.	N.A.
Trade.....	(2.54)* ^d	N.A.	1.7*	N.A.	N.A.	N.A.
Municipal Economy.....	1.90*	N.A.	3.7*	N.A.	N.A.	N.A.
Other.....	(4.51)*	N.A.	(5.5)*	N.A.	N.A.	N.A.
Social-Cultural Measures.....	21.42*	28.9*	31.0*	(31.2)*	32.8*	34.5*
Education.....	8.60*	12.4*	13.8*	N.A.	14.6*	15.4*
Health.....	4.11*	4.9*	5.2*	N.A.	5.4*	5.7*
Social Welfare.....	8.70*	11.6*	12.0*	N.A.	12.7*	13.4*
Administration.....	1.20*	1.1*	1.1*	N.A.	1.1*	1.1*
Defense.....	9.36*	12.6*	13.9*	N.A.	13.3*	N.A.
Loan Service.....	0.37*	0.8*	0.5*	N.A.	(0.5)*	(0.5)*
Reserve Funds of the Councils of Ministers.....	0*	0*	2.6*	0*	2.3*	3.3*
Residual.....	2.90*	2.6*	2.6*	N.A.	(2.6)*	N.A.
Total.....	64.28*	82.2*	86.2*	86.8*	91.4*	100.4*
Budget Surplus.....	2.96*	2.1*	1.5*	1.8*	0.5* ^b	0.8* ^b

* An asterisk indicates that the data are unclassified.

* Machine tractor stations in 1958, repair technical stations thereafter.

^b Not comparable with previous years, as a consequence of the elimination of revenue from the savings deposits of the population from budgetary revenue.^c Data in parentheses are estimates.^d Including agricultural procurement.

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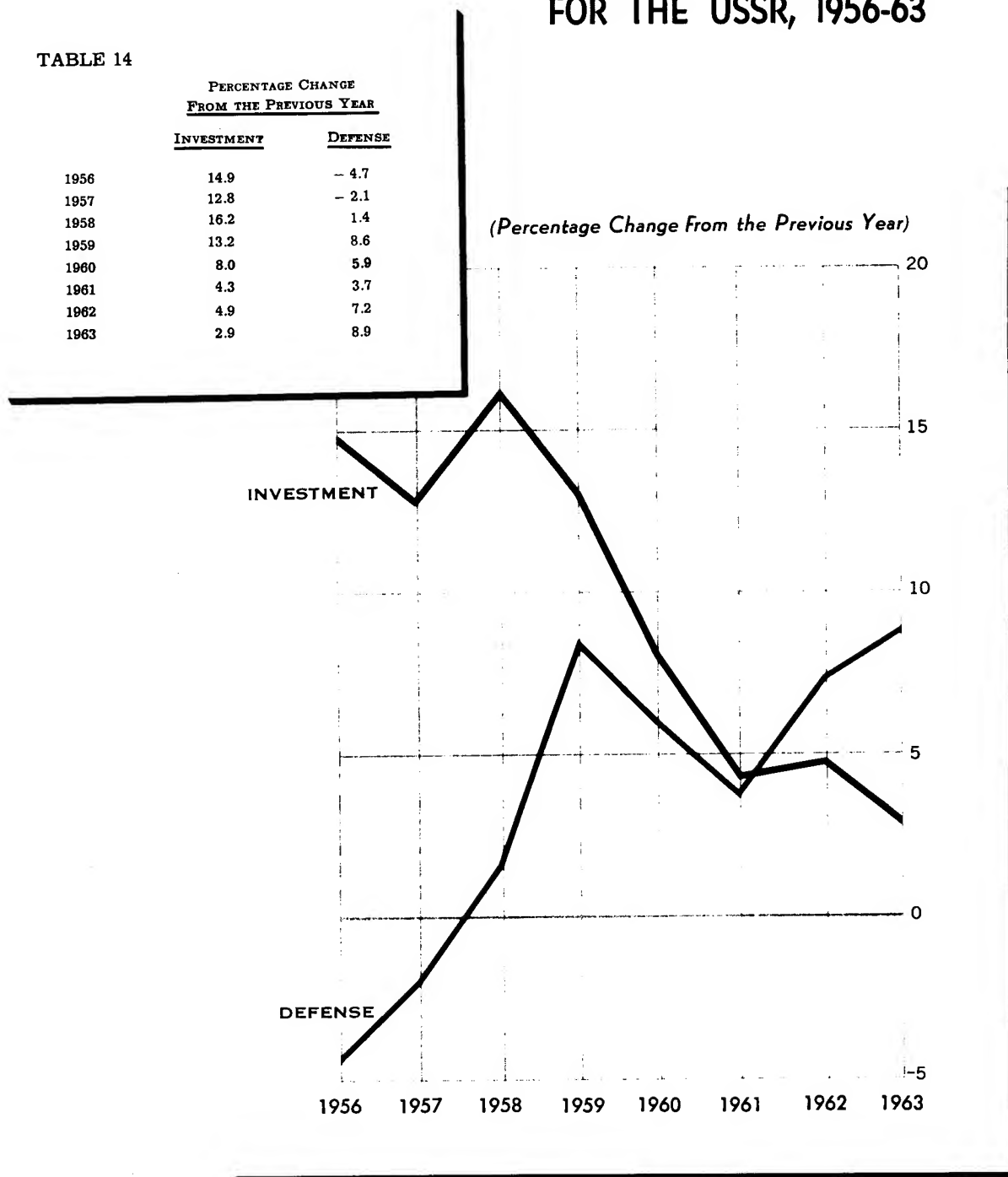
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Tabular Graphic

ANNUAL RATES OF GROWTH IN INVESTMENT AND DEFENSE FOR THE USSR, 1956-63

TABLE 14

	PERCENTAGE CHANGE FROM THE PREVIOUS YEAR	
	INVESTMENT	DEFENSE
1956	14.9	-4.7
1957	12.8	-2.1
1958	16.2	1.4
1959	13.2	8.6
1960	8.0	5.9
1961	4.3	3.7
1962	4.9	7.2
1963	2.9	8.9

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EXPENDITURES FOR DEFENSE

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Table 15

Estimated Expenditures for Defense by the USSR ^a
1958-63Billion New Rubles ^b

	1958	1959	1960	1961	1962	1963
Mission:						
Strategic attack.....	1.3	2.0	2.1	2.1	2.8	3.6
Air defense.....	1.7	1.8	2.1	2.5	2.8	3.0
Ground.....	4.7	4.8	4.8	4.6	4.1	4.1
Naval.....	1.7	1.7	1.7	1.6	1.8	1.8
Reserve and security forces ^c	0.8	0.8	0.8	0.8	0.8	0.8
Research and development ^d	1.9	2.2	2.7	3.2	3.7	4.2
Command and support.....	1.9	1.9	1.9	1.9	1.9	2.0
Total military expenditures.....	14.0	15.2	16.1	16.7	17.9	19.5
Of which:						
Military machinery.....	7.1	8.3	9.3	10.4	11.3	12.4
Of which:						
Procurement of missile systems, nuclear weapons, ground electronics, and research and development, including all expenditures for space.	3.2	4.7	5.4	6.6	7.5	8.3

^a These estimates of Soviet defense expenditures include costs of nuclear weapons, space, and military research and development, most of which is covered in Soviet budget accounts other than defense. Most of the estimates in this table are derived from detailed calculations of the estimated magnitude and cost of individual programs to deploy and operate elements of the Soviet military establishment. These calculations produce numbers that suggest a high degree of accuracy. In fact, however, these numbers are subject to considerable uncertainty and should not be considered as precise measures. The estimates, however, are as accurate and as comprehensive as the data available on 1 April 1964 permitted. If these estimates are to be used for further analysis of a definitive nature, this Office should be contacted to determine whether they have been supplemented or revised in any manner by additional intelligence information.

^b Expressed in 1955 prices.

^c Including estimated expenditures for reserve training, militarized security forces, and paramilitary training.

^d Including estimated research and development expenditures for military equipment, nuclear energy, and all space programs. These estimates are derived from analysis of published Soviet financial data and do not represent detailed calculations of the estimated magnitude and cost of individual programs.

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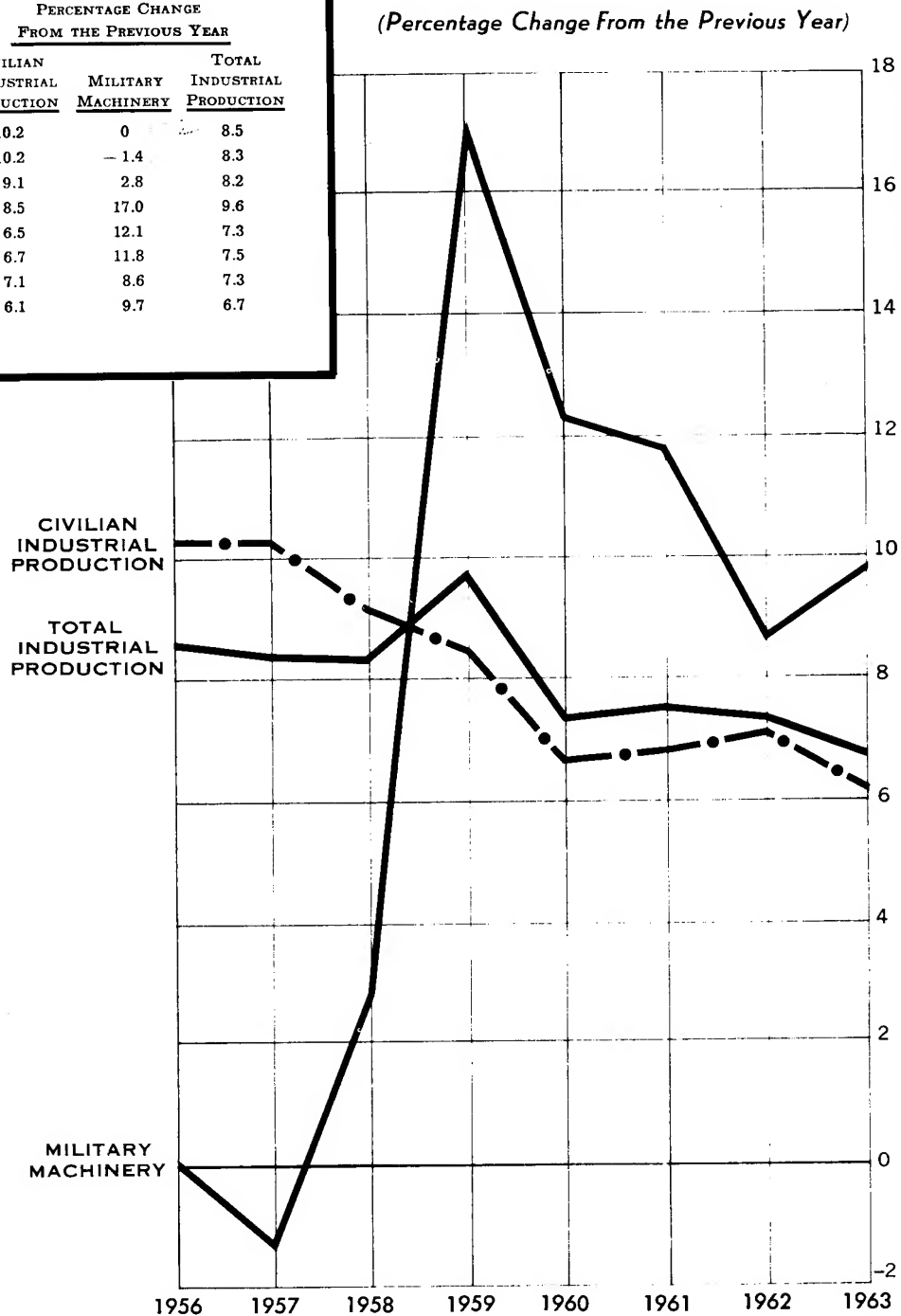
Tabular Graphic

ANNUAL RATES OF GROWTH OF CIVILIAN AND MILITARY GOODS IN THE USSR, 1956-63

TABLE 16

PERCENTAGE CHANGE
FROM THE PREVIOUS YEAR

	CIVILIAN INDUSTRIAL PRODUCTION	MILITARY MACHINERY	TOTAL INDUSTRIAL PRODUCTION
1956	10.2	0	8.5
1957	10.2	-1.4	8.3
1958	9.1	2.8	8.2
1959	8.5	17.0	9.6
1960	6.5	12.1	7.3
1961	6.7	11.8	7.5
1962	7.1	8.6	7.3
1963	6.1	9.7	6.7

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POPULATION and COUNTRY TABLES

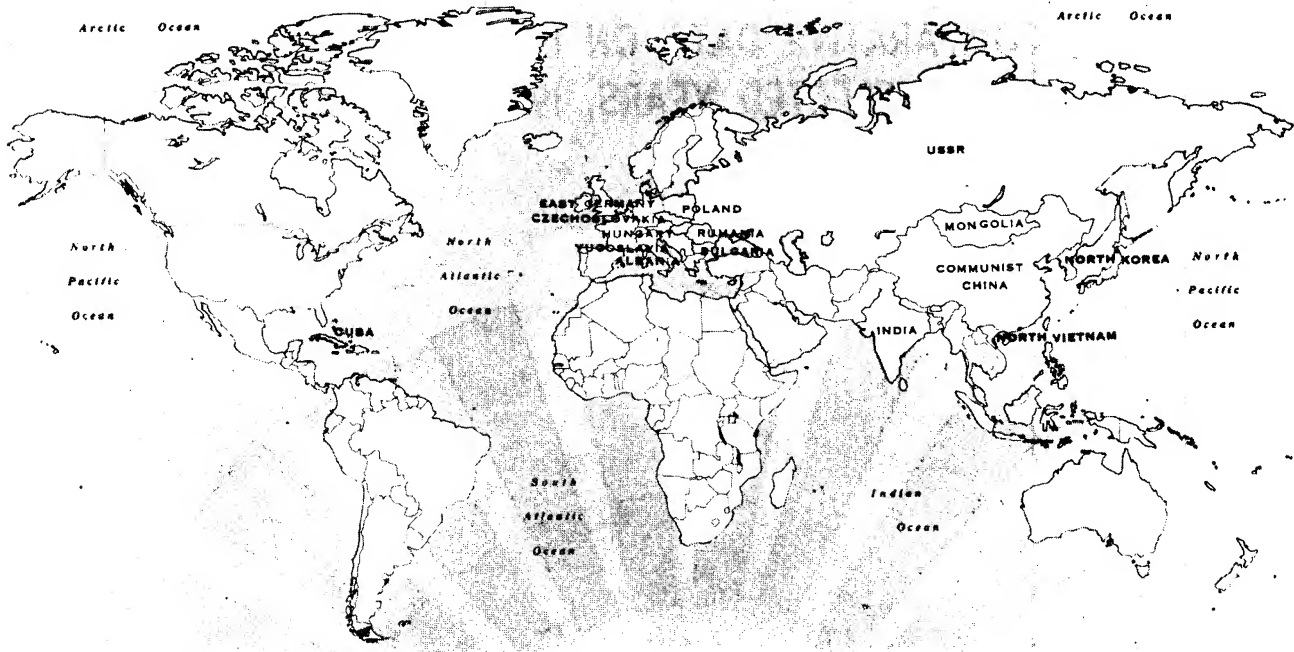


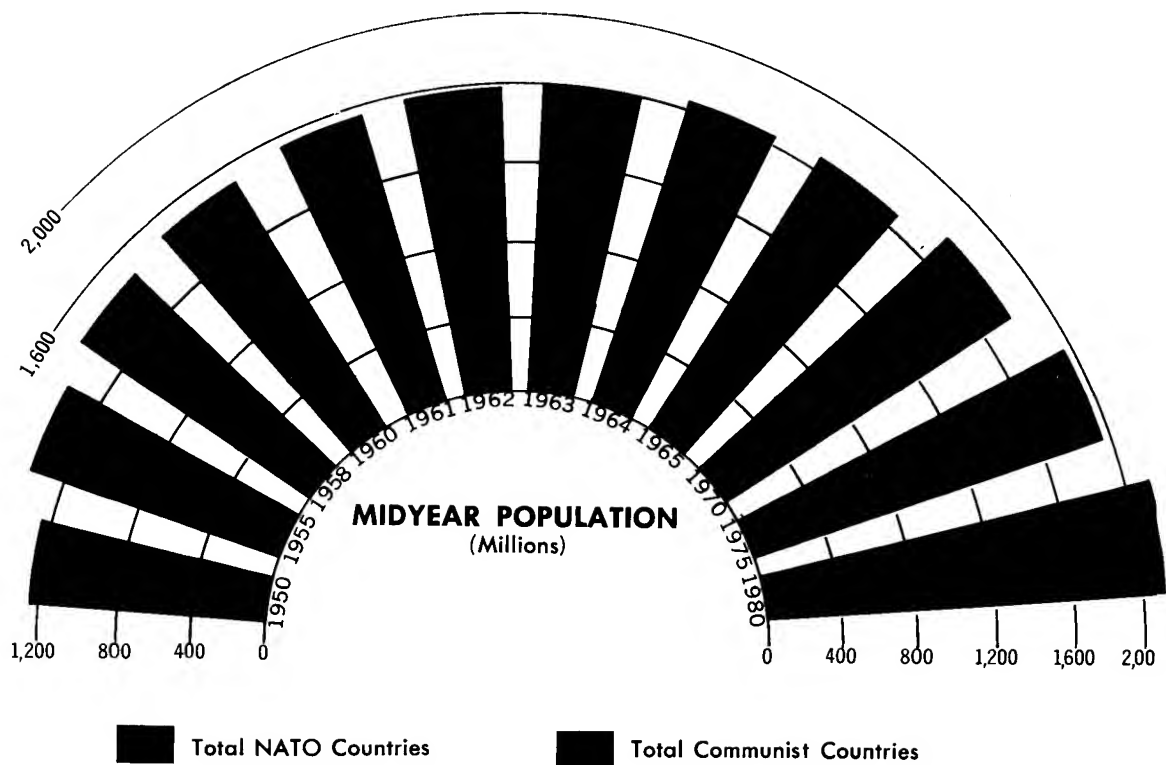
TABLE	PAGE
Graphic 2	COMPARATIVE DATA ON POPULATION, SELECTED YEARS, 1950 - 80 (<i>Preceding page 19</i>)
17.	POPULATION 19
18.	LABOR FORCE 20
19*	DISTRIBUTION OF CIVILIAN EMPLOYMENT IN THE US AND THE USSR 21
20.	AGRICULTURAL LABOR FORCE 22
21.	NONAGRICULTURAL LABOR FORCE 23
22.	INDIA 24
23.	USSR 26
24.	BULGARIA 28
25.	CZECHOSLOVAKIA 30
26.	EAST GERMANY 32
27.	HUNGARY 34
28.	POLAND 36
29.	RUMANIA 38
30.	COMMUNIST CHINA 40
31.	NORTH KOREA 42
32.	NORTH VIETNAM 44
33.	ALBANIA 46
34.	MONGOLIA 47
35.	CUBA 48
36.	YUGOSLAVIA 50

*Tabular Graphic

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Graphic 2

COMPARATIVE DATA ON POPULATION SELECTED YEARS, 1950-80



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GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

Table 17
Estimated Population
Selected Years, 1955-80

	Midyear Population in Millions									
	1955	1960	1961	1962	1963	1964	1965	1970	1975	1980
TOTAL NATO COUNTRIES.....	445*	476*	482*	489*	495*	502*	508*	541*	577*	617*
United States.....	165.9*	180.7*	183.7*	186.6*	189.4*	192.2*	195.1*	211.4*	230.4*	252.1*
Belgium.....	8.9*	9.2*	9.2*	9.2*	9.3*	9.3*	9.3*	9.6*	9.8*	10.1*
Canada.....	15.7*	17.9*	18.3*	18.6*	18.9*	19.3*	19.6*	21.5*	23.5*	25.6*
Denmark.....	4.4*	4.6*	4.6*	4.7*	4.7*	4.7*	4.8*	4.9*	5.1*	5.2*
France.....	43.4*	45.7*	46.2*	47.0*	47.7*	48.0*	48.4*	50.0*	51.9*	54.0*
West Germany.....	50.2*	53.2*	54.0*	54.8*	55.4*	56.1*	56.8*	59.9*	62.4*	64.4*
<i>West Berlin.....</i>	<i>2.2*</i>	<i>2.2*</i>	<i>2.2*</i>	<i>2.2*</i>	<i>2.2*</i>	<i>2.2*</i>	<i>2.1*</i>	<i>2.1*</i>	<i>2.0*</i>	<i>1.8*</i>
Greece.....	8.0*	8.3*	8.4*	8.5*	8.5*	8.6*	8.7*	9.1*	9.5*	9.9*
Iceland.....	0.2*	0.2*	0.2*	0.2*	0.2*	0.2*	0.2*	0.2*	0.2*	0.3*
Italy.....	48.2*	49.6*	49.9*	50.2*	50.3*	50.6*	50.9*	52.4*	53.9*	55.5*
Luxembourg.....	0.3*	0.3*	0.3*	0.3*	0.3*	0.3*	0.3*	0.3*	0.3*	0.4*
Netherlands.....	10.8*	11.5*	11.6*	11.8*	12.0*	12.1*	12.2*	12.9*	13.5*	14.2*
Norway.....	3.4*	3.6*	3.6*	3.6*	3.7*	3.7*	3.7*	3.9*	4.1*	4.3*
Portugal.....	8.6*	8.8*	8.9*	9.0*	9.0*	9.1*	9.2*	9.6*	9.8*	10.0*
Turkey.....	23.9*	27.5*	28.3*	29.2*	30.0*	30.9*	31.8*	36.6*	42.2*	48.7*
United Kingdom.....	51.2*	52.5*	52.9*	53.4*	53.8*	54.2*	54.5*	56.5*	58.4*	60.3*
TOTAL COMMUNIST COUNTRIES...	950*	1,051*	1,066*	1,083*	1,101*	1,120*	1,140*	1,242*	1,352*	1,476*
Soviet Bloc.....	289*	311*	315*	320*	324*	327*	331*	348*	367*	387*
USSR.....	196.1*	214.2*	217.9*	221.4*	224.7*	227.8*	230.8*	244.6*	258.7*	274.2*
European Satellites.....	92.8*	96.8*	97.3*	98.1*	98.8*	99.3*	100.3*	103.9*	108.0*	112.5*
Bulgaria.....	7.5*	7.9*	7.9*	8.0*	8.1*	8.1*	8.2*	8.5*	8.8*	9.1*
Czechoslovakia.....	13.1*	13.7*	13.8*	13.9*	13.9*	14.0*	14.2*	14.8*	15.4*	16.1*
East Germany.....	17.9*	17.2*	17.1*	17.1*	17.2*	17.2*	17.3*	17.5*	17.8*	18.1*
Hungary.....	9.8*	10.0*	10.0*	10.1*	10.1*	10.1*	10.1*	10.3*	10.4*	10.6*
Poland.....	27.2*	29.6*	29.9*	30.3*	30.7*	31.0*	31.4*	33.1*	35.2*	37.6*
Rumania.....	17.3*	18.4*	18.6*	18.7*	18.8*	18.9*	19.1*	19.7*	20.4*	21.0*
Far East.....	635*	712*	723*	735*	749*	764*	779*	861*	951*	1,051*
Communist China.....	611*	685*	696*	707*	720*	735*	749*	827*	913*	1,008*
North Korea.....	8.9*	10.6*	11.0*	11.3*	11.6*	12.0*	12.3*	14.1*	16.2*	18.6*
North Vietnam.....	14.9*	16.0*	16.3*	16.6*	16.9*	17.3*	17.7*	19.8*	22.2*	24.8*
Other Communist Countries..	25.8*	27.7*	28.1*	28.3*	28.8*	29.2*	29.7*	32.1*	34.7*	38.0*
Albania.....	1.4*	1.6*	1.7*	1.7*	1.8*	1.8*	1.9*	2.2*	2.6*	3.2*
Cuba.....	6.1*	6.7*	6.8*	6.8*	6.9*	7.0*	7.1*	7.8*	8.6*	9.5*
Mongolia.....	0.8*	1.0*	1.0*	1.0*	1.0*	1.1*	1.1*	1.3*	1.4*	1.7*
Yugoslavia.....	17.5*	18.4*	18.6*	18.8*	19.1*	19.3*	19.6*	20.8*	22.1*	23.6*

* An asterisk indicates that the data are unclassified.

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POPULATION

LABOR FORCE

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Table 18

Labor Force in the US and Selected Communist Countries
Selected Years, 1955-65

	Midyear Population in Millions						
	1955	1958	1960	1961	1962	1963	1965
US ^b	68.9*	71.3*	73.1*	74.2*	74.7*	75.7*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	149*	155*	159*	161*	163*	165*	
USSR ^c	101.4*	106.2*	109.4*	111.0*	112.8*	114.8*	117.8*
European Satellites..	48.0*	49.0*	49.5*	49.7*	50.1*	50.4*	
Bulgaria.....	4.11*	4.20*	4.27*	4.31*	4.34*	4.38*	4.46*
Czechoslovakia....	6.46*	6.63*	6.67*	6.70*	6.75*	6.80*	6.90*
East Germany.....	8.80*	8.64*	8.62*	8.56*	8.56*	8.52*	8.48*
Hungary.....	4.62*	4.77*	4.89*	4.90*	4.93*	4.96*	5.02*
Poland.....	13.59*	14.02*	14.25*	14.36*	14.52*	14.71*	15.23*
Rumania.....	10.40*	10.69*	10.82*	10.88*	10.96*	11.07*	11.37*
Far East							
Communist China ^d	276*	289*	308*	310*	312*	317*	
North Korea ^d	3.5	3.9	4.1	4.2	4.4	4.6	4.8
North Vietnam ^d ..	7.4	7.8	8.2	8.4	8.6	8.8	
Other Communist Countries							
Albania.....	0.73*	0.80*	0.84*	0.86*	0.88*	0.90*	0.95*
Yugoslavia.....	8.1*	N.A.	N.A.	8.4*	8.5*	8.6*	

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data include the armed forces.

^b Annual averages of monthly data, including unemployed persons.

^c Average annual employment in state enterprises and total number of participants on collective farms. Excluding militarized security forces.

^d Excluding the armed forces.

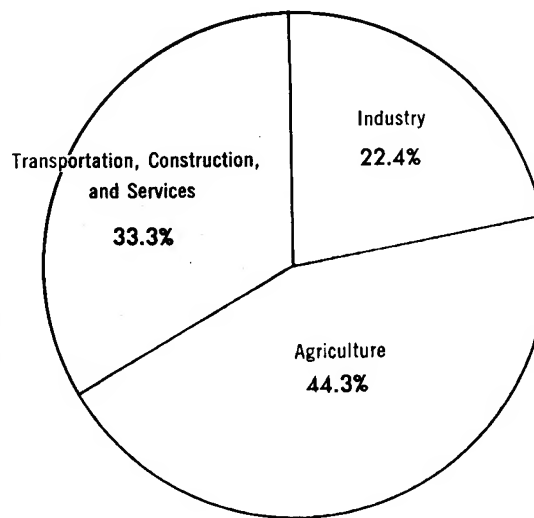
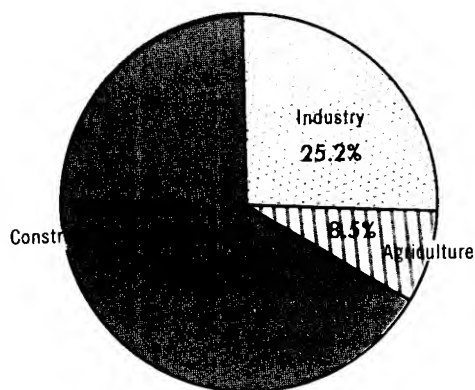
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Tabular Graphic

DISTRIBUTION OF CIVILIAN EMPLOYMENT* IN THE US AND THE USSR, 1963

TABLE 19

	US		USSR	
	MILLION PERSONS	PERCENT	MILLION PERSONS	PERCENT
INDUSTRY	17.9	25.2	25.0	22.4
AGRICULTURE	6.0	8.5	49.4	44.3
TRANSPORTATION, CONSTRUCTION, AND SERVICES	47.0	66.3	37.1	33.3
CIVILIAN EMPLOYMENT	70.9	100.0	111.5	100.0
TOTAL POPULATION	189.4		224.7	



* Midyear Population

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EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

AGRICULTURAL LABOR FORCE

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Table 20

Agricultural Labor Force* in the US and Selected Communist Countries
Selected Years, 1955-65

	Midyear Population in Millions						
	1955	1958	1960	1961	1962	1963	1965
US ^b	6.72*	5.84*	5.72*	5.46*	5.19*	4.95*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	73.5*	74.5*	72.4*	70.7*	69.7*	69.5*	
USSR.....	51.1*	52.4*	51.2*	49.9*	49.4*	49.4*	46.8*
European Satellites..	22.4*	22.1*	21.2*	20.8*	20.3*	20.1*	
Bulgaria.....	2.73*	2.53*	2.27*	2.25*	2.22*	2.18*	2.11*
Czechoslovakia....	2.04*	1.87*	1.58*	1.49*	1.45*	1.38*	1.23*
East Germany.....	1.74*	1.59*	1.43*	1.41*	1.42*	1.41*	1.41*
Hungary.....	2.01*	2.01*	1.85*	1.74*	1.66*	1.62*	1.57*
Poland.....	6.62*	6.65*	6.68*	6.63*	6.42*	6.34*	6.56*
Rumania.....	7.24*	7.48*	7.40*	7.26*	7.17*	7.13*	7.11*
Far East							
Communist China..	237*	248*	255*	262*	268*	272*	
North Korea.....	2.3	2.3	2.2	2.2	2.2	2.3	2.3
North Vietnam....	6.2	6.3	6.4	6.5	6.6	6.7	
Other Communist Countries							
Albania.....	0.56*	0.59*	0.61*	0.62*	0.63*	0.64*	0.67*
Yugoslavia.....	5.3*	N.A.	N.A.	4.8*	4.8*	4.8*	

* An asterisk indicates that the data are unclassified.

* Excluding the armed forces.

^b Annual averages of monthly data. Data as presented are for civilian employment and differ from those presented in Figure 4, following p. 70. Data as presented in Figure 4 are for farm employment and include farm operators doing 1 or more hours of farm work and members of their families working 15 hours or more during the survey week without cash wages. Data in Figure 4 are based on a survey of farm payrolls conducted by the US Department of Agriculture. Data for the agricultural labor force are based on a household survey of the entire population conducted by the US Bureau of the Census. Data in Figure 4 are a more comprehensive count of agricultural employment and are considered to be more comparable to data presented for the USSR.

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NONAGRICULTURAL LABOR FORCE

Table 21

Nonagricultural Labor Force^a in the US and Selected Communist Countries
Selected Years, 1955-65

	Midyear Population in Millions						
	1955	1958	1960	1961	1962	1963	1965
US ^b	56.2*	58.1*	61.0*	61.3*	62.7*	63.9*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	75.9*	79.0*	86.5*	90.0*	93.1*	95.8*	
USSR ^c	50.3*	53.8*	58.2*	61.1*	63.4*	65.4*	71.0*
European Satellites..	25.6*	25.2*	28.3*	28.9*	29.7*	30.4*	
Bulgaria.....	1.38*	1.62*	1.99*	2.06*	2.13*	2.20*	2.35*
Czechoslovakia....	4.42*	4.76*	5.09*	5.21*	5.30*	5.42*	5.66*
East Germany.....	7.06*	7.05*	7.19*	7.15*	7.14*	7.10*	7.07*
Hungary.....	2.61*	2.76*	3.04*	3.17*	3.26*	3.34*	3.45*
Poland.....	6.97*	7.38*	7.57*	7.73*	8.10*	8.37*	8.68*
Rumania.....	3.16*	3.21*	3.42*	3.62*	3.79*	3.94*	4.26*
Far East							
Communist China ^d	39.0*	41.0*	53.0*	48.0*	44.0*	45.0*	
North Korea ^d	1.2	1.6	1.9	2.0	2.2	2.3	2.5
North Vietnam ^d ..	1.2	1.6	1.8	1.9	2.0	2.1	
Other Communist Countries							
Albania.....	0.17*	0.20*	0.22*	0.24*	0.25*	0.26*	0.28*
Yugoslavia.....	2.8*	N.A.	N.A.	3.6*	3.7*	3.8*	

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data include the armed forces.

^b Civilian employment. Annual averages of monthly data, excluding the armed forces.

^c Excluding militarized security forces.

^d Excluding the armed forces.

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24



Excluding Kashmir
 TOTAL AREA: 3,040,220 Square kilometers
 ARABLE LAND: 49 Percent of the total area
 DENSITY: 151 Persons per square kilometer

INDIA

Table 22
Selected Economic Indicators
Selected Years, 1955-63

	Unit of Measure	1955	1958	1960	1961	1962	1963
Aggregative data and population							
Gross national product ^a	Billion 1955 US \$.....	31.2*	35.1*	38.3*	39.8*	41.0*	42.6*
Industrial production.....	1955=100.....	100*	117*	140*	151*	162*	178*
Total population ^b (midyear).....	Million persons.....	386.6*	410.7*	429.0*	435.5*	449.4*	463.8*
Fuels and power							
Electric power (gross production).....	Billion kilowatt-hours.....	10.9*	15.4*	20.4*	23.2*	25.6*	29.1*
Coal ^c	Million metric tons.....	38.8*	46.1*	52.6*	56.1*	61.5*	66.9*
Metallurgical coke.....	Million metric tons.....	2.64*	3.07*	4.78*	6.23*	7.05*	N.A.*
Minerals and metals							
Crude steel.....	Million metric tons.....	1.73*	1.84*	3.29*	4.07*	5.11*	5.97* ^d
Iron Ore.....	Million metric tons.....	4.75*	6.13*	10.68*	12.28*	13.19*	14.78*
Manganese ore.....	Million metric tons.....	1.61*	1.28*	1.20*	1.21*	1.19*	1.22*
Pig iron and blast-furnace ferroalloys..	Million metric tons.....	1.92*	2.14*	4.19*	5.00*	5.92*	6.74*
Primary aluminum.....	Thousand metric tons.....	7.34*	8.31*	18.41*	18.38*	35.40*	53.70*
Refined copper.....	Thousand metric tons.....	7.40*	7.97*	8.91*	8.34*	9.78*	9.58*
Agriculture and processed foods							
Ginned cotton.....	Million metric tons.....	0.87*	0.91*	1.01*	0.88*	1.07*	1.02*
Rice ^e (rough or paddy).....	Million metric tons.....	41.4*	46.3*	51.3*	52.3*	48.1*	52.0*
Sugar (raw value).....	Million metric tons.....	1.76*	2.17*	2.81*	3.09*	3.05*	N.A.*
Tea.....	Thousand metric tons.....	303.2*	323.9*	316.3*	353.1*	342.7*	360.4*
Wheat.....	Million metric tons.....	8.92*	7.89*	10.25*	10.99*	12.04*	11.16*
Wool (grease basis).....	Thousand metric tons.....	32.7*	33.6*	34.1*	34.2*	34.4*	34.7*

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Manufactured items							
Cement	Million metric tons	4.56*	6.19*	7.84*	8.25*	8.59*	9.36*
Cotton yarn ^f	Million metric tons	0.74*	0.76*	0.79*	0.86*	0.86*	0.89*
Woolen yarn ^f	Thousand metric tons	9.4*	13.2*	12.7*	14.8*	18.0*	22.7*
Motor vehicles ^e	Thousand units	23.1*	26.8*	51.7*	54.3*	57.8*	51.4*
Sulfuric acid	Thousand metric tons	168.9*	230.2*	353.9*	422.5*	468.3*	567.8*
Transportation							
Railroad freight traffic ^b	Billion metric ton-kilometers	55.4*	73.9*	87.7*	91.2*	92.5* ⁱ	99.4* ⁱ

* An asterisk indicates that the data are unclassified.

^a Computations are based on estimates of internal purchasing power. Data, if converted to US dollars on the basis of a uniform par value of 4.762 rupees to US \$1, would be (in billion 1955 US \$) as follows: for 1955, 23.7; for 1958, 26.7; for 1960, 29.1; for 1961, 30.3; for 1962, 31.2; and for 1963, 32.4.

^b Excluding data for Sikkim and Kashmir-Jammu.

^c Including anthracite and bituminous coal but excluding brown coal and lignite.

^d Ingots only.

^e Estimated from planted acreage.

^f Including mixed yarn.

^g Including automobiles and commercial vehicles.

^h Unless otherwise indicated, data are for the year beginning 1 April of the stated year.

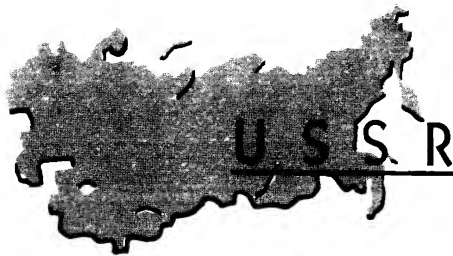
ⁱ Data are for the calendar year.

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INDIA

26



TOTAL AREA: 22,272,200 Square kilometers

ARABLE LAND: 11 Percent of the total area

DENSITY: 10 Persons per square kilometer

USSR

Table 23
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and Population								
Gross national product.....	Billion 1955 US \$....	151.8	189.1	208.7	222.2	228.2	233.4	
Industrial production *.....	1955=100.....	100	127	150	161	172	184	
Gross industrial production. 1955=100.....		100*	135*	163*	179*	196*	213* ^b	250* ^c
Total population (midyear).....	Million persons.....	196.1*	206.8*	214.2*	217.9*	221.4*	224.7*	230.8*
Labor force ^d (midyear).....	Million persons.....	101.4*	106.2*	109.4*	111.0*	112.8*	114.8*	117.8*
Fuels and power								
Primary energy.....	Million MT/SF *....	435.5*	580.5*	662.7*	705.5*	763.5*	824.7*	938* ^e
Electric power.....	Billion kilowatt-hours.	170.22*	235.35*	292.27*	327.61*	369.28*	412*	508* ^e
Hard coal.....	Million metric tons..	276.6*	353.0*	374.9*	377.0*	386.4*	395.0*	
Metallurgical coke.....	Million metric tons..	43.6*	50.9*	56.2*	58.6*	60.9*	63.9*	80*
Crude oil.....	Million metric tons..	70.8*	113.2*	147.9*	166.1*	186.2*	206.1*	240*
Natural gas.....	Billion cubic meters..	9.0*	28.1*	45.3*	59.0*	73.5*	89.8*	126.6* ^e
Minerals and metals								
Crude steel.....	Million metric tons..	45.27*	54.92*	65.29*	70.76*	76.31*	80.20*	89.3* ^e
Pig iron ^h	Million metric tons..	33.3*	39.6*	46.8*	50.9*	55.3*	58.7*	65.7* ^e
Iron ore.....	Million metric tons..	71.86*	88.82*	105.86*	117.63*	128.10*	137.50*	153.9* ^e
Refined copper.....	Thousand metric tons.	377.3*	406.3*	490.0*	530.0*	590.0*	644.0*	772* ⁱ
Primary aluminum.....	Thousand metric tons.	430*	510*	700*	800*	900*	1,000	1,400 to 1,500* ⁱ
Lead.....	Thousand metric tons.	258.3*	288.5*	314.0*	326.5*	346.1*	356.0*	432.8* ⁱ
Titanium sponge.....	Metric tons.....	1,000	3,000	4,000	4,000	5,000	5,000	6,000 ⁱ
Agriculture and processed foods.								
Total grain.....	Million metric tons..	107*	125	100	115	115	95	164 to 180*
Cattle.....	Million head.....	56.67*	66.77*	74.16*	75.78*	82.08*	86.99*	
Meat ^j	Million metric tons..	5.69*	6.78*	7.38*	7.40*	8.14*	8.87*	
Milk ^k	Million metric tons..	40.8*	54.6*	55.5*	56.3*	58.1*	58.3*	

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Manufactured items								
Cotton yarn.....	Thousand metric tons.	1,038*	1,063*	1,169*	1,165*	1,192*	N.A.	
Sulfuric acid.....	Thousand metric tons.	3,798*	4,803*	5,398*	5,718*	6,132*	6,887*	9,000 *
Synthetic ammonia.....	Thousand metric tons of nitrogen.	619	905	1,184	1,357	1,629	2,023	3,175 ¹
Mineral fertilizers.....	Thousand metric tons of nutrients.	2,294*	2,946*	3,287*	3,610*	4,079*	4,661*	7,589*
Metalcutting machine tools.	Thousand units.....	117.09*	138.29*	155.92*	165.77*	176.93*	183.00*	190 to 200*
Chemical equipment.....	Thousand metric tons.	111*	N.A.	N.A.	250*	273*	N.A.	
Tractors.....	Thousand units.....	163.4*	219.7*	238.5*	263.6*	287.0*	325.3*	
Transportation, construction, and trade.								
Railroad freight traffic.....	Billion metric ton-kilometers.	970.9*	1,302.0*	1,504.3*	1,566.6*	1,646.3*	1,749.4*	1,840.0*
Railroad freight traffic.....	Million metric tons carried.	1,267.0*	1,616.9*	1,884.9*	1,987.6*	2,077.4*	2,158.0*	2,318.*
Cement.....	Million metric tons..	22.5*	33.3*	45.5*	50.9*	57.3*	61.0*	70.0* *
Imports.....	Billion US \$.....	3.06*	4.35*	5.63*	5.83*	6.45*	7.06*	N.A.
Exports.....	Billion US \$.....	3.43*	4.30*	5.56*	6.00*	7.03*	7.27*	N.A.
Total trade.....	Billion US \$.....	6.49*	8.65*	11.2*	11.8*	13.5*	14.3*	16.5*

* An asterisk indicates that the data are unclassified.

^a Index of gross values for individual commodities and branches aggregated by 1955 value-added weights. The three sectors covered—materials, machinery, and consumer goods—comprise 44.3 percent, 34.2 percent, and 21.5 percent, respectively, of the value-added weights for industrial production. This index is as comparable as data will permit with the index of industrial production of the US Federal Reserve Board.

^b Based on plan fulfillment data.

^c Based on the new Two Year Plan (1964-65).

^d Average annual employment. Data include the armed forces but exclude militarized security forces.

^e Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^f Estimated production for 1965.

^g Revised Plan for 1965.

^h Including blast-furnace ferroalloys.

ⁱ Estimated plan for 1965.

^j Including slaughter fats and poultry. Carcass weight, bone-in basis.

* Data have been revised and differ from the previous *Handbook*. Previous data were official Soviet statistics adjusted to agree with US definitions and were reduced, when necessary, to allow for overestimation of production data. Data as now presented have been adjusted only for the overestimation in the official statistics and are not necessarily comparable with US data.

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USSR

28



TOTAL AREA: 110,930 Square kilometers
 ARABLE LAND: 41 Percent of the total area
 DENSITY: 73 Persons per square kilometer

BULGARIA

Table 24
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross national product.....	Billion 1955 US \$.....	2.9	3.5	4.1	4.2	4.4	4.6	
Industrial production.....	1955=100.....	100	139	183	197	215	232	
Gross industrial production....	1955=100.....	100*	153*	209*	233*	260*	286*	355*
Total population (midyear)....	Million persons.....	7.5*	7.7*	7.9*	7.9*	8.0*	8.1*	8.2*
Labor force * (midyear).....	Million persons.....	4.11*	4.20*	4.27*	4.31*	4.34*	4.38*	4.46*
Fuels and power								
Primary energy.....	Million MT/SF ^b	5.6*	7.2*	10.0*	10.7*	11.6*	12.4*	
Electric power.....	Billion kilowatt-hours.....	2.07*	3.02*	4.66*	5.41*	6.04*	7.18*	11.25*
Brown coal and lignite.....	Million metric tons.....	9.8*	12.4*	16.6*	18.0*	20.2*	21.4*	34.5**
Minerals and metals								
Crude steel ^d	Million metric tons.....	0.12*	0.26*	0.30*	0.39*	0.48*	0.52*	1.43* ^e
Refined copper.....	Thousand metric tons.....	3.8* ^e	6.1* ^e	14.0*	15.0*	18.3*	20.0*	40.2*
Lead.....	Thousand metric tons.....	5.1*	26.1*	40.4*	40.9*	43.7*	51.0*	108.7*
Agriculture and processed foods								
Total grain.....	Million metric tons.....	3.53	3.45	4.04	3.79	3.82	3.73	
Ginned cotton.....	Thousand metric tons.....	20.2*	15.4*	21.1*	7.9*	16.1*	16.0*	
Wool (grease basis).....	Thousand metric tons.....	14.4*	16.5*	21.0*	23.1*	22.8*	23.0*	
Potatoes.....	Thousand metric tons.....	364.2*	245.8*	478.2*	445.0*	360.0*	400.0*	
Cattle.....	Million head.....	1.61*	1.44*	1.28*	1.45*	1.58*	1.58*	
Hogs.....	Million head.....	1.32*	1.99*	2.27*	2.55*	2.33*	2.07*	
Meat ^f	Thousand metric tons.....	155	226	174	204	218	196	

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Manufactured items								
Sulfuric acid.....	Thousand metric tons.....	19*	64*	123*	192*	247*	269*	286*
Soda ash.....	Thousand metric tons.....	70*	99*	128*	129*	175*	198*	308*
Transportation and trade								
Railroad freight traffic.....	Billion metric ton-kilometers.	4.12*	5.24*	6.98*	7.45*	7.88*	8.35*	
Railroad freight traffic.....	Million metric tons carried...	23.7*	29.7*	38.4*	40.5*	40.4*	42.8*	
Imports.....	Million US \$.....	250*	367*	633*	666*	785*	916*	N.A.
Exports.....	Million US \$.....	236*	373*	572*	663*	773*	838*	N.A.
Total trade.....	Million US \$.....	486*	740*	1,200*	1,330*	1,560*	1,750*	2,100*

* An asterisk indicates that the data are unclassified.

^a Including the armed forces.

^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^c Estimated plan for 1965.

^d Including an estimate for steel castings.

^e Blister copper.

^f Carcass weight, bone-in basis.

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BULGARIA



TOTAL AREA: 127,860 Square kilometers
 ARABLE LAND: 40 Percent of the total area
 DENSITY: 109 Persons per square kilometer

CZECHOSLOVAKIA

Table 25
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross national product.....	Billion 1955 US \$.....	12.3	14.9	16.9	17.9	18.2	18.3	
Industrial production.....	1955=100.....	100	131	155	170	180	180	
Gross industrial production....	1955=100.....	100*	134*	166*	181*	192*	191*	
Total population (midyear)....	Million persons.....	13.1*	13.5*	13.7*	13.8*	13.9*	13.9*	14.2*
Labor force * (midyear).....	Million persons.....	6.46*	6.63*	6.67*	6.70*	6.75*	6.80*	6.90*
Fuels and power								
Primary energy.....	Million MT/SF ^b	36.5*	48.6*	51.3*	54.8*	57.7*	60.0*	
Electric power.....	Billion kilowatt-hours.....	15.01*	19.62*	24.45*	26.96*	28.73*	29.86*	
Brown coal and lignite.....	Million metric tons.....	40.4*	56.4*	57.9*	64.6*	68.9*	72.4*	
Natural gas.....	Billion cubic meters.....	0.17*	1.25*	1.44*	1.41*	1.40*	1.50*	
Minerals and metals								
Crude steel.....	Million metric tons.....	4.47*	5.51*	6.77*	7.04*	7.64*	7.60*	10.6* ^c
Pig iron ^d	Thousand metric tons.....	2,982*	3,774*	4,695*	4,971*	5,177*	5,254*	7,700* ^c
Iron ore.....	Million metric tons.....	2.49*	2.80*	3.12*	3.29*	3.48*	3.35*	4.4* ^c
Manganese ore.....	Thousand metric tons.....	260*	165*	154*	101*	83*	84*	
Primary aluminum.....	Thousand metric tons.....	24*	26*	52*	53*	54*	56*	
Agriculture and processed foods								
Total grain.....	Million metric tons.....	5.10*	4.83*	5.74*	5.66*	5.69*	5.65*	
Potatoes.....	Thousand metric tons.....	7,905*	6,589*	5,093*	5,331*	5,002*	6,372*	
Cattle.....	Million head.....	4.04*	4.09*	4.30*	4.39*	4.52*	4.51*	
Hogs.....	Million head.....	4.77*	5.44*	5.69*	5.96*	5.90*	5.90*	

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Manufactured items								
Electric motors (ac).....	Thousand kilowatts.....	1,180*	2,371*	2,952*	3,405*	3,686*	N.A.	
Electric generators (ac).....	Thousand kilowatts.....	963*	976*	1,391*	1,542*	1,344*	1,500	
Television receivers.....	Thousand units.....	17*	134*	263*	334*	307*	234*	300 *
Metalcutting machine tools...	Thousand units.....	18.49*	22.12*	24.67*	24.79*	25.50*	21.58*	
Metallurgical equipment.....	Thousand metric tons.....	37.3*	76.2*	90.7*	109.0*	112.0*	N.A.	183*
Chemical equipment.....	Thousand metric tons.....	31	41*	57*	91*	95*	75*	255 *
Tractors.....	Thousand units.....	12.6*	24.6*	32.5*	27.8*	32.4*	28.4*	43.1*
Automobiles.....	Thousand units.....	12.5*	43.4*	56.2*	58.8*	64.3*	56.6*	110*
Transportation and trade								
Railroad freight traffic.....	Billion metric ton-kilometers.	31.70*	42.67*	47.41*	50.67*	52.22*	51.16*	
Railroad freight traffic.....	Million metric tons carried..	140.2*	174.4*	194.1*	205.7*	206.9*	203.0*	
Highway freight traffic.....	Million metric ton-kilometers.	2,720*	3,980*	5,108*	5,673*	6,055*	5,492*	
Highway freight traffic.....	Million metric tons carried..	222.5*	334.8*	428.4*	481.1*	511.7*	470.7*	
Imports.....	Billion US \$.....	1.05*	1.36*	1.82*	2.02*	2.07*	2.17*	N.A.
Exports.....	Billion US \$.....	1.18*	1.51*	1.93*	2.05*	2.19*	2.47*	N.A.
Total trade.....	Billion US \$.....	2.23*	2.87*	3.75*	4.07*	4.26*	4.64*	5.50*

* An asterisk indicates that the data are unclassified.

^a Including the armed forces.

^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^c Revised plan for 1965.

^d Including blast-furnace ferroalloys.

^e Estimated production for 1965.

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CZECHOSLOVAKIA

32



TOTAL AREA: 108,290 Square kilometers
 ARABLE LAND: 44 Percent of the total area
 DENSITY: 159 Persons per square kilometer

EAST GERMANY

Table 26
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross national product.....	Billion 1955 US \$.....	14.7	16.9	18.7	19.2	19.8	20.2	
Industrial production.....	1955=100.....	100	121	141	147	154	159	
Gross industrial production...	1955=100.....	100*	127*	155*	164*	174*	183*	
Total population (midyear)...	Million persons.....	17.9*	17.4*	17.2*	17.1*	17.1*	17.2*	17.3*
Labor force * (midyear).....	Million persons.....	8.80*	8.64*	8.62*	8.56*	8.56*	8.52*	8.48*
Fuels and power								
Primary energy.....	Million MT/SF ^b	65.6	70.4	73.6	77.2	80.2	82.6	
Electric power.....	Billion kilowatt-hours.....	28.70*	34.87*	40.30*	42.52*	45.06*	47.45*	
Brown coal and lignite.....	Million metric tons.....	200.6*	215.0*	225.5*	236.9*	247.0*	254.0*	
Minerals and metals								
Crude steel.....	Million metric tons.....	2.84*	3.46*	3.79*	3.91*	4.09*	4.10*	5.2*
Iron ore.....	Million metric tons.....	1.66*	1.51*	1.64*	1.64*	1.64*	1.64*	1.67*
Refined copper.....	Thousand metric tons.....	33.3	32.5	39.2	38.8	39.5	40.0*	45.6
Agriculture and processed foods								
Total grain.....	Million metric tons.....	5.40	5.64	5.60	4.80	5.30	4.90	7.63
Cattle *.....	Million head.....	3.79*	3.74*	4.46*	4.68* ^d	4.55* ^e	4.51* ^e	
Milk.....	Thousand metric tons.....	4,962*	5,656*	5,730*	5,612*	5,216*	5,600	7,658

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Manufactured items								
Sulfuric acid.....	Thousand metric tons.....	592*	650*	730*	819*	861*	1,162*	1,231*
Synthetic ammonia.....	Thousand metric tons of nitrogen.	335*	365*	392*	396*	404*	422*	
Soda ash.....	Thousand metric tons.....	458*	553*	594*	599*	646*	650*	
Mineral fertilizers.....	Thousand metric tons of nutrients.	1,848*	2,026*	2,080*	2,092*	2,179*	2,308*	2,798*
Automobiles.....	Thousand units.....	22.2*	38.4*	64.1*	69.6*	72.2*	83.4*	108*
Transportation and trade								
Railroad freight traffic.....	Billion metric ton-kilometers.	25.22*	30.10*	32.86*	34.73*	37.41*	37.60*	
Railroad freight traffic.....	Million metric tons carried..	207.5*	227.2*	237.8*	248.7*	259.8*	261.1*	
Imports.....	Billion US \$.....	1.17*	1.68*	2.17*	2.22*	2.37*	2.38*	N.A.
Exports.....	Billion US \$.....	1.28*	1.89*	2.19*	2.26*	2.35*	2.67*	N.A.
Total trade.....	Billion US \$.....	2.45*	3.57*	4.36*	4.48*	4.72*	5.05*	5.40*

* An asterisk indicates that the data are unclassified.

^a Including the armed forces.

^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^c Unless otherwise indicated, data are as of 3 December of the previous year.

^d Data are as of 28 December of the previous year.

^e Data are as of 30 November of the previous year.

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EAST GERMANY

34



TOTAL AREA: 93,030 Square kilometers
 ARABLE LAND: 60 Percent of the total area
 DENSITY: 109 Persons per square kilometer

HUNGARY

Table 27
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross national product.....	Billion 1955 US \$.....	6.0	6.7	7.4	7.7	8.1	8.4	
Industrial production.....	1955=100.....	100	112	131	144	156	163	
Gross industrial production...	1955=100.....	100*	117*	143*	158*	171*	183*	212 to 214* *
Total population (midyear)...	Million persons.....	9.8*	9.9*	10.0*	10.0*	10.1*	10.1*	10.1*
Labor force ^b (midyear).....	Million persons.....	4.62*	4.77*	4.89*	4.90*	4.93*	4.96*	5.02*
Fuels and power								
Primary energy.....	Million MT/SF °.....	13.9*	13.5*	15.1*	16.3*	16.8*	18.3*	
Electric power.....	Billion kilowatt-hours..	5.43*	6.48*	7.62*	8.38*	9.12*	9.66*	11*
Brown coal and lignite.....	Million metric tons....	19.6*	21.6*	23.7*	25.1*	25.3*	26.8*	27.3* ^d
Natural gas.....	Billion cubic meters....	0.54*	0.38*	0.34*	0.32*	0.34*	0.61	1.80*
Minerals and metals								
Crude steel.....	Million metric tons....	1.63*	1.63*	1.89*	2.05*	2.33*	2.37*	2.6*
Manganese ore.....	Thousand metric tons..	130*	182*	123*	125*	124*	123*	
Primary aluminum.....	Thousand metric tons..	37*	40*	50*	51*	53*	55*	57*
Bauxite.....	Thousand metric tons..	1,241*	1,049*	1,190*	1,366*	1,473*	1,362*	1,525*
Agriculture and processed foods								
Total grain.....	Million metric tons....	6.62	5.71	6.88	6.11	6.19	6.05	
Wool (grease basis).....	Thousand metric tons..	5.7*	7.3*	8.2*	9.3*	9.4*	10.0*	
Potatoes.....	Thousand metric tons..	2,467*	2,600*	2,665*	1,630*	1,881*	2,400*	
Cattle °.....	Million head.....	2.13*	1.94*	1.97*	1.96*	1.99*	1.91*	
Hogs °.....	Million head.....	5.82*	5.34*	5.36*	5.92*	6.41*	5.43*	
Meat °.....	Thousand metric tons..	311	320	290	352	417	425	

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Manufactured items								
Cotton yarn.....	Thousand metric tons..	47*	46*	53*	57*	60*	64*	
Sulfuric acid *.....	Thousand metric tons..	144*	148*	178*	200*	224*	267*	400*
Mineral fertilizers.....	Thousand metric tons	41*	69*	102*	124*	146*	168*	275*
	of nutrients.							
Grain combines.....	Units.....	1,535*	1,338*	2,266*	2,825*	2,553*	608*	
Transportation, construction, and trade.								
Railroad freight traffic ^a	Billion metric ton-kilometers.	8.80*	10.24*	13.34*	13.86*	14.55*	15.38*	
Railroad freight traffic ^b	Million metric tons carried.	70.0*	78.5*	95.9*	98.6*	101.3*	105.3*	
Cement.....	Thousand metric tons..	1,175*	1,302*	1,571*	1,601*	1,733*	1,800*	2,600*
Imports.....	Million US \$.....	554*	631*	976*	1,030*	1,150*	1,300*	N.A.
Exports.....	Million US \$.....	601*	684*	874*	1,030*	1,100*	1,210*	N.A.
Total trade.....	Million US \$.....	1,160*	1,310*	1,850*	2,050*	2,250*	2,510*	2,700*

* An asterisk indicates that the data are unclassified.

^a Planned production for the socialized industry.

^b Including the armed forces.

^c Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^d Estimated plan for 1965.

^e Data are as of 1 March.

^f Carcass weight, bone-in basis.

^g Including oleum for all years except 1963 and 1965 Plan.

^h Including performance of railroads owned jointly by Hungary and Austria and performance by narrow-gauge railroads for "limited public use."

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HUNGARY

36



TOTAL AREA: 311,730 Square kilometers
 ARABLE LAND: 52 Percent of the total area
 DENSITY: 98 Persons per square kilometer

POLAND

Table 28
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross national product.....	Billion 1955 US \$.....	15.4	17.8	19.6	21.3	21.2	21.9	
Industrial production.....	1955=100.....	100	124	148	162	175	184	
Gross industrial production...	1955=100.....	100*	132*	160*	176*	191*	201*	243*
Total population (midyear)...	Million persons.....	27.2*	28.7*	29.6*	29.9*	30.3*	30.7*	31.4*
Labor force * (midyear).....	Million persons.....	13.59*	14.02*	14.25*	14.36*	14.52*	14.71*	15.23*
Fuels and power								
Primary energy.....	Million MT/SF ^b	83.8*	84.7*	93.5*	95.8*	98.8*	103.3*	
Electric power.....	Billion kilowatt-hours.....	17.75*	23.96*	29.31*	32.25*	35.38*	36.95*	43*
Hard coal.....	Million metric tons.....	94.5*	95.0*	104.4*	106.6*	109.6*	113.2*	114.5*
Natural gas.....	Billion cubic meters.....	0.39*	0.38*	0.54*	0.72*	0.79	0.98*	1.15*
Metallurgical coke.....	Thousand metric tons.....	6,127*	6,647*	7,712*	7,517*	7,920*	8,360*	9,750*
Minerals and metals								
Crude steel.....	Million metric tons.....	4.43*	5.66*	6.68*	7.23*	7.68*	8.00*	9.3*
Pig iron *.....	Thousand metric tons.....	2,920*	3,592*	4,253*	4,427*	4,933*	5,000*	6,400*
Iron ore.....	Million metric tons.....	1.70*	1.96*	2.18*	2.39*	2.44*	2.61*	3.12*
Primary aluminum.....	Thousand metric tons.....	20*	22*	26*	48*	48*	47*	75*
Lead.....	Thousand metric tons.....	34.2*	35.8*	39.7*	39.8*	40.7*	38.9*	52.5*
Refined zinc.....	Thousand metric tons.....	156.2*	162.6*	175.5*	182.0*	181.3*	181.2*	230*

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Agriculture and processed foods								
Total grain ^d	Million metric tons.....	12.7*	13.5*	13.1	14.3	13.0	13.3	15.6*
Potatoes.....	Million metric tons.....	27.0*	34.8*	36.0	43.4	36.1	42.6	
Cattle ^e	Million head.....	7.91*	8.21*	8.70*	9.17*	9.59*	9.84*	
Hogs ^e	Million head.....	10.89*	11.96*	12.62*	13.43*	13.62*	11.65*	
Meat ^f	Thousand metric tons.....	894	1,164	1,148	1,279	1,297	1,238	2,855* ^g
Manufactured items								
Cotton yarn.....	Thousand metric tons.....	115*	135*	153*	164*	163*	160*	198*
Sulfuric acid.....	Thousand metric tons.....	450*	573*	685*	794*	852*	888*	1,325*
Soda ash.....	Thousand metric tons.....	215*	372*	522*	525*	529*	532*	725*
Mineral fertilizers.....	Thousand metric tons of nutrients.	286*	382*	477*	517*	573*	601*	889*
Commercial vehicles.....	Thousand units.....	12.5*	13.8*	24.0*	24.0*	28.7*	33.8*	34*
Transportation and trade								
Railroad freight traffic.....	Billion metric ton-kilometers.	51.97*	57.19*	66.55*	69.69*	72.69*	74.43*	
Railroad freight traffic.....	Million metric tons carried..	236.4*	250.0*	286.9*	297.7*	305.7*	312.8*	
Imports.....	Billion US \$.....	0.932*	1.23*	1.50*	1.69*	1.89*	1.98*	N.A.
Exports.....	Billion US \$.....	0.920*	1.06*	1.33*	1.50*	1.65*	1.77*	N.A.
Total trade.....	Billion US \$.....	1.85*	2.29*	2.82*	3.19*	3.53*	3.75*	4.00*

* An asterisk indicates that the data are unclassified.

^a Including the armed forces.

^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^c Including blast-furnace ferroalloys.

^d Including barley, oats, rye, and wheat only.

^e Data are as of 30 June.

^f Unless otherwise indicated, carcass weight, bone-in basis. Data include edible offal.

^g Live-weight basis.

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POLAND

38



TOTAL AREA: 237,500 Square kilometers
 ARABLE LAND: 44 Percent of the total area
 DENSITY: 79 Persons per square kilometer

ROMANIA

Table 29
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross national product.....	Billion 1955 US \$....	7.7	7.4	9.3	10.0	10.2	10.8	
Industrial production.....	1955=100.....	100	131	170	194	221	245	
Gross industrial production.....	1955=100.....	100*	132*	168*	194*	221*	248*	305*
Total population (midyear).....	Million persons.....	17.3*	18.1*	18.4*	18.6*	18.7*	18.8*	19.1*
Labor force * (midyear).....	Million persons.....	10.40*	10.69*	10.82*	10.88*	10.96*	11.07*	11.37*
Fuels and power								
Primary energy.....	Million MT/SF ^b	27.0*	31.6*	34.9*	36.4*	40.0*	42.7	
Electric power.....	Billion kilowatt-hours.....	4.34*	6.18*	7.65*	8.66*	10.09*	11.68*	18.5*
Brown coal and lignite.....	Million metric tons..	2.8*	3.5*	3.7*	3.8*	4.3*	4.6*	
Crude oil.....	Million metric tons..	10.6*	11.3*	11.5*	11.6*	11.9*	12.2*	12.2*
Natural gas.....	Billion cubic meters..	6.17*	8.31*	10.1*	10.9*	12.9*	14.3*	
Petroleum products.....	Million metric tons..	10.1	10.6	11.0	11.0	11.3	11.4	
Minerals and metals								
Crude steel.....	Million metric tons..	0.77*	0.93*	1.81*	2.13*	2.45*	2.70*	3.3*
Iron ore.....	Million metric tons..	0.64*	0.74*	1.46*	1.74*	1.74*	2.29*	4*
Manganese ore.....	Thousand metric tons..	390*	200*	175*	206*	189*	260*	

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Agriculture and processed foods								
Total grain.....	Million metric tons..	8.62	6.44	8.58	9.32	8.57	9.09	14 to 16*
Potatoes.....	Thousand metric tons.	2,086	2,221	2,407	2,300	2,078	2,160	4,500 to 5,000*
Cattle.....	Million head.....	4.63*	4.47*	4.45*	4.53*	4.71*	4.70*	
Hogs.....	Million head.....	4.37*	3.25*	4.30*	4.30*	4.66*	4.60*	
Wool (grease basis).....	Thousand metric tons.	20.7*	19.6*	21.8*	23.0*	23.0	22.8	37*
Manufactured items								
Grain combines.....	Units.....	0*	5,801*	5,500*	6,129*	5,810*	4,000*	
Tractors.....	Thousand units.....	3.5*	7.0*	17.1*	20.0*	21.5*	13.3*	25.0*
Transportation and trade								
Railroad freight traffic.....	Billion metric ton-kilometers	14.68*	17.02*	19.82*	22.21*	24.42*	26.76*	
Railroad freight traffic.....	Million metric tons carried	59.0*	66.6*	77.5*	85.3*	92.0*	99.6*	
Imports.....	Billion US \$.....	0.462*	0.482*	0.648*	0.815*	0.941*	1.02*	N.A.
Exports.....	Billion US \$.....	0.422*	0.468*	0.717*	0.793*	0.818*	0.915*	N.A.
Total trade.....	Billion US \$.....	0.884*	0.950*	1.37*	1.61*	1.76*	1.94*	2.05*

* An asterisk indicates that the data are unclassified.

* Including the armed forces.

^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

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RUMANIA

40



TOTAL AREA: 9,561,000 Square kilometers

ARABLE LAND: 11 Percent of the total area

DENSITY: 75 Persons per square kilometer

COMMUNIST CHINA

Table 30
Selected Economic Indicators
Selected Years, 1955-63

	Unit of Measure	1955	1958	1959	1960	1961	1962	1963
Aggregate data and population								
Gross national product.....	Billion 1955 US \$.....	48	65	70	N.A.	N.A.	N.A.	N.A.
Industrial production *.....	1955=100.....	100	204	258	N.A.	N.A.	N.A.	N.A.
Gross industrial production b.	1955=100.....	100*	237*	331*	N.A.	N.A.	N.A.	N.A.
Total population (midyear) ..	Million persons.....	611*	657*	673*	685*	696*	707*	720*
Labor force c (midyear).....	Million persons.....	276*	289*	301*	308*	310*	312*	317*
Agricultural labor force c	Million persons.....	237*	248*	250*	255*	262*	268*	272*
(midyear)								
Nonagricultural labor force	Million persons.....	39*	41*	51*	53*	48*	44*	45*
(midyear)								
Fuels and power								
Primary energy.....	Million MT/SF d.....	94.2	219	283	293	N.A.	N.A.	N.A.
Electric power.....	Billion kilowatt-hours.....	12.28*	27.53*	41.5*	47*	35*	30*	31*
Hard coal f.....	Million metric tons.....	98.3*	230.0	300.0	330.0	240.0*	210.0	215.0
Metallurgical coke g.....	Thousand metric tons.....	3,658*	10,400*	N.A.	N.A.	N.A.	N.A.	N.A.
Crude oil (natural and syn-	Thousand metric tons.....	966*	2,260*	3,700*	4,600	4,500	5,000	5,800
thetic)								
Petroleum products.....	Million metric tons.....	1.2	2.7	4.0	4.7	4.0	4.5	5.3
Minerals and metals								
Crude steel.....	Million metric tons.....	2.85*	8.00* h	13.35* i	18.45*	N.A.	N.A.	8 to 10
Pig iron j.....	Thousand metric tons.....	3,872*	13,690* k	20,500* l	27,500 m	N.A.	N.A.	N.A.
Iron ore.....	Million metric tons.....	9.60*	59.00*	N.A.	N.A.	N.A.	N.A.	N.A.
Manganese ore.....	Thousand metric tons.....	196	534*	1,243*	1,500	N.A.	N.A.	N.A.
Tungsten ore (60 percent	Thousand metric tons.....	20	30	33*	34	N.A.	N.A.	N.A.
WO ₃ basis)								
Refined copper.....	Thousand metric tons.....	15*	34*	55*	N.A.	N.A.	N.A.	N.A.
Primary aluminum.....	Thousand metric tons.....	10*	49*	70*	N.A.	N.A.	N.A.	N.A.
Primary tin.....	Thousand metric tons.....	20	27	30	N.A.	N.A.	N.A.	N.A.

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Agriculture and processed foods								
Total grain ^a	Million metric tons.....	175	200	165	160	165	180	175 to 180
Rice (rough or paddy).....	Million metric tons.....	78*	90	81	79	82	82	75
Potatoes ^b	Million metric tons.....	75.6*	148.4	83.6	88.0	101.2	116.4	106.0
Ginned cotton.....	Million metric tons.....	1.5	1.8*	1.3	1.2	1.0	0.8	0.8
Cattle ^c	Million head.....	66.00*	63.60	65.4	N.A.	N.A.	N.A.	N.A.
Hogs ^d	Million head.....	87.92*	139	135	N.A.	N.A.	N.A.	N.A.
Meat ^e	Million metric tons.....	5.6	5.9	5.4	5.3	5.0	5.3	N.A.
Wool (grease basis).....	Thousand metric tons.....	45.0	54.2	57.9	56.5	55.1	N.A.	N.A.
Fish catch.....	Million metric tons.....	2.52*	4.06*	5.00*	N.A.	N.A.	N.A.	N.A.
Soybeans.....	Million metric tons.....	9.1*	9.1	7.6	6.7	7.0	6.5	6.7
Manufactured items								
Cotton cloth.....	Million linear meters.....	4,361	5,700	7,500	N.A.	N.A.	N.A.	N.A.
Cotton yarn.....	Thousand metric tons.....	720*	1,107*	1,497*	N.A.	580	580	610
Sulfuric acid.....	Thousand metric tons.....	375*	740*	1,050*	1,350*	N.A.	1,100	N.A.
Mineral fertilizers.....	Thousand metric tons of nutrients.....	85	266	380	490	280	410	570
Construction and trade								
Cement.....	Million metric tons.....	4.5*	9.3*	12.3*	N.A.	N.A.	N.A.	N.A.
Imports.....	Billion US \$.....	1.69	1.82	2.06	2.02	1.50	1.16 *	1.20 *
Exports.....	Billion US \$.....	1.35	1.93	2.23	1.95	1.53	1.52 *	1.54 *
Total trade.....	Billion US \$.....	3.04	3.74	4.29	3.98	3.02	2.68 *	2.75 *

* An asterisk indicates that the data are unclassified.

^a Estimates of this Office computed by applying value-added weights to data for commodity production.

^b This "official" index of industrial production was calculated by chaining together annual Chinese Communist claims for the increase in the gross value of industrial production. These annual claims are overstated in varying degrees and are not based on a stable and consistent accounting and price system.

^c Excluding the armed forces.

^d Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^e Estimated data.

^f Including a negligible amount of brown coal.

^g Excluding coke made in beehive, clamp, native, and "small modern" furnaces.

^h Excluding production from "native furnaces."

ⁱ Including 4.72 million metric tons of steel made in small side-blown converters.

^j Including blast-furnace ferroalloys.

^k Including 4.16 million metric tons of "native iron."

^l Including 9.6 million metric tons of pig iron made in "small blast furnaces," of which 5.9 million metric tons were usable for steelmaking.

^m Including 13.4 million metric tons made in "small blast furnaces," of which 6.5 million metric tons were usable for steelmaking.

ⁿ Including tubers on a grain equivalent basis of 4 metric tons of tubers to 1 metric ton of grain.

^o Including sweet and Irish potatoes and other starchy tubers such as taro and cassava.

^p Including buffaloes. Data refer to the number of cattle for midyear for 1955 and for the beginning of the year for 1958-59.

^q The number of hogs that can be accounted for varies from 72 to 85 percent of the official number for 1955. Data refer to the number of hogs for midyear for 1955 and for the end of the year for 1958-59.

^r Carcass weight, bone-in basis; including poultry.

^s Estimated data.

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COMMUNIST CHINA

42



TOTAL AREA: 121,910 Square kilometers
 ARABLE LAND: 16 Percent of the total area
 DENSITY: 95 Persons per square kilometer

NORTH KOREA

Table 31
 Selected Economic Indicators
 Selected Years, 1955-63, and 1967 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1967 Plan *
Aggregative data and population								
Gross national product....	Billion 1955 US \$....	0.82	1.30	1.65	1.76	1.90	2.02	2.40 ^b
Gross industrial production. 1955 = 100.....		100*	252*	444*	506*	607*	656*	841* ^c
Total population (midyear).....	Million persons.....	8.9*	9.9*	10.6*	11.0*	11.3*	11.6*	12.3* ^c
Labor force ^d (midyear)....	Million persons.....	3.5	3.9	4.1	4.2	4.4	4.6	4.8 ^c
Fuels and power								
Primary energy.....	Million MT/SF *.....	4.3	9.6	13.1	14.6	16.8	17.6	
Electric power.....	Billion kilowatt-hours.....	3.14*	7.63*	9.14*	10.04*	11.40*	11.77*	17*
Metallurgical coke.....	Thousand metric tons.....	207*	390*	1,015*	1,290*	1,440*	1,440*	
Hard coal.....	Million metric tons....	1.9*	4.3*	6.8*	7.6*	8.8*	9.4*	
Minerals and metals								
Crude steel.....	Million metric tons....	0.14*	0.36*	0.64*	0.78*	1.05*	1.02*	2.2 to 2.5*
Iron ore.....	Million metric tons....	0.14*	1.55*	3.11*	3.54*	3.34*	3.86*	
Tungsten ore ^e	Metric tons.....	1,864*	2,563*	3,015*	3,100*	3,900*	4,000	
Lead.....	Thousand metric tons.....	9.4	19	34	40	43	47	61
Refined zinc.....	Thousand metric tons.....	0*	18*	55*	62*	66*	71*	88* ^c
Agriculture and processed foods								
Total grain ^b	Million metric tons....	2.21	2.88	2.68	2.94	3.14	N.A.	
Rice (rough or paddy).....	Thousand metric tons.....	1,242	1,509	1,513	1,533	1,750	N.A.	3,000
Potatoes ^f	Million metric tons....	0.62	0.80	0.79	1.05	N.A.	N.A.	
Cattle.....	Million head.....	N.A.	0.67*	0.68*	0.67*	0.68*	0.68*	
Hogs.....	Million head.....	0.70*	1.44*	1.12*	1.39*	1.50*	N.A.	
Fish catch ^g	Thousand metric tons.....	313*	501	465	595	N.A.	640	1,000 to 1,200

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Manufactured items								
Sulfuric acid.....	Thousand metric tons.	28*	234*	255*	273*	316*	321*	
Synthetic ammonia.....	Thousand metric tons of nitrogen.	6	102	111	115	136	136	
Mineral fertilizers.....	Thousand metric tons of nutrients.	17	94	133	157	171	184	
Transportation and construction								
Railroad freight traffic....	Billion metric ton-kilometers.	3.79*	6.30*	9.12*	9.85*	10.24*	10.76*	17.5*
Railroad freight traffic....	Million metric tons carried.	16.8*	28.2*	38.6*	41.0*	43.9*	46.1*	75*
Cement.....	Thousand metric tons.	360*	1,244*	2,285*	2,262*	2,376*	2,530*	4,000 to 4,500*

* An asterisk indicates that the data are unclassified.

* Unless otherwise indicated, data refer to the 1967 Plan.

^b Estimated gross national product for 1965.

^c Estimated data for 1965.

^d Excluding the armed forces.

* Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^f Tungsten trioxide (60 percent WO₃ basis).

* Estimated plan for 1967.

^h Excluding potatoes and soybeans.

ⁱ Including sweet and Irish potatoes and other starchy tubers such as taro and cassava.

^j Including marine products.

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NORTH KOREA



TOTAL AREA: 158,750 Square kilometers
 ARABLE LAND: 12 Percent of the total area
 DENSITY: 106 Persons per square kilometer

NORTH VIETNAM

Table 32
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross national product.....	Billion 1955 US \$.....	0.63	1.01	1.13	1.24	1.40	1.36	
Gross industrial production...	1955=100.....	100*	312*	474*	538*	677*	721*	1,038*
Total population (midyear)...	Million persons.....	14.9*	15.4*	16.0*	16.3*	16.6*	16.9*	17.7*
Labor force * (midyear).....	Million persons.....	7.4	7.8	8.2	8.4	8.6	8.8	
Fuels and power								
Primary energy.....	Million MT/SF ^b	0.6	1.4	2.4	2.6	3.2	3.1	
Electric power.....	Billion kilowatt-hours.....	0.05*	0.16*	0.26*	0.30*	0.37*	0.44*	0.66* ^c
Minerals and metals								
Iron ore.....	Million metric tons.....	N.A.	N.A.	0.02*	0.02*	0.03*	0.07*	
Chromite.....	Thousand metric tons.....	0	2.8	9.7	14.8	16.3	15.2	
Agriculture and processed foods								
Total grain ^d	Million metric tons.....	3.71	4.77	4.43	4.93	4.82	4.28	
Rice (rough or paddy).....	Thousand metric tons.....	3,523	4,577	4,212	4,659*	4,542	N.A.	
Sweet potatoes.....	Million metric tons.....	0.54	0.52	0.49*	0.98*	N.A.	N.A.	
Ginned cotton.....	Thousand metric tons.....	0.9	1.8	1.5*	2.0*	1.9	N.A.	
Cattle *.....	Million head.....	N.A.	2.14	2.40	2.33	2.23*	2.27*	
Hogs.....	Million head.....	N.A.	2.95	3.63	3.75	3.74*	4.24*	
Fish catch.....	Thousand metric tons.....	96	151	168	163	185	N.A.	

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Manufactured items								
Cotton yarn.....	Thousand metric tons.....	<i>Negl.*</i>	9*	10*	12	12*	12*	
Transportation, construction, and trade								
Railroad freight traffic.....	Billion metric ton-kilometers.	0.04*	0.29*	0.70*	0.71*	0.72	0.79*	
Railroad freight traffic.....	Million metric tons carried .	0.4*	1.4*	2.9*	3.1*	3.2*	3.5*	
Cement.....	Thousand metric tons.....	8*	302*	408*	458*	462*	495*	
Imports.....	Million US \$.....	73.6*	63.3*	128*	144*	149*	156*	166*
Exports.....	Million US \$.....	6.8*	51.2*	79.9*	80.5*	89.4*	92.7*	139*
Total trade.....	Million US \$.....	80.4*	114*	208*	224*	239*	249*	305*

* An asterisk indicates that the data are unclassified.

^a Excluding the armed forces.

^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^c Revised plan for 1965. The original plan was for 710 million kilowatt-hours.

^d Including corn and rice only.

^e Including buffaloes.

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NORTH VIETNAM

46



TOTAL AREA: 28,750 Square kilometers
 ARABLE LAND: 17 Percent of the total area
 DENSITY: 63 Persons per square kilometer

ALBANIA

Table 33
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross industrial production.....	1955=100.....	100*	163*	216*	231*	246*	262*	328*
Total population (midyear).....	Million persons.....	1.4*	1.5*	1.6*	1.7*	1.7*	1.8*	1.9*
Labor force * (midyear).....	Million persons.....	0.73*	0.80*	0.84*	0.86*	0.88*	0.90*	0.95*
Fuels and power								
Primary energy.....	Million MT/SF ^b	0.4*	0.7*	1.2*	1.3*	1.3	1.4	
Electric power.....	Billion kilowatt-hours.....	0.08*	0.15*	0.19*	0.23*	0.24*	0.25*	0.33*
Brown coal and lignite.....	Million metric tons.....	0.2*	0.3*	0.3*	0.3*	0.3*	0.3*	0.4**
Minerals and metals								
Chromite.....	Thousand metric tons.....	54.9	90.6	130.1	104.6	113.1	N.A.	
Agriculture and processed foods								
Total grain.....	Million metric tons.....	0.34*	0.29*	0.22*	0.28*	0.29	0.32	
Ginned cotton.....	Thousand metric tons.....	4.1*	5.7*	5.4*	6.1*	6.0*	7.9	
Potatoes.....	Thousand metric tons.....	30.2*	15.6*	23.4*	30.2*	28.7	31.6	
Cattle ^d	Million head.....	0.42*	0.41*	0.43*	0.43*	0.42	0.42	
Hogs.....	Million head.....	0.08*	0.10*	0.12*	0.13*	0.13*	0.13	
Wool (grease basis).....	Thousand metric tons.....	2.6	2.3	2.2	2.4	2.4	2.4	
Transportation, construction, and trade								
Railroad freight traffic.....	Billion metric ton-kilometers...	0.02*	0.03*	0.05*	0.08*	0.08*	0.08*	
Railroad freight traffic.....	Million metric tons carried....	0.4*	0.6*	0.9*	1.2*	1.3*	1.3*	
Cement.....	Thousand metric tons.....	45*	78*	73*	120*	120*	N.A.	230* ^e
Imports.....	Million US \$.....	42.8*	78.6*	81.1*	72.2*	56	N.A.	
Exports.....	Million US \$.....	13.0*	29.2*	48.6*	48.6*	35	N.A.	
Total trade.....	Million US \$.....	55.8*	107.8*	129.6*	120.8*	91	102	

* An asterisk indicates that the data are unclassified.

^a Including the armed forces.^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.^e Estimated production for 1965.^d Including buffaloes.^e Estimated plan for 1965.

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TOTAL AREA: 1,564,660 Square kilometers

ARABLE LAND: Negligible

DENSITY: 1 Person per square kilometer



Table 34
Selected Economic Indicators
Selected Years, 1955-63

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Gross industrial production.....	1955=100.....	100*	170*	234*	290	331*	349*	504*
Total population (midyear).....	Million persons.....	0.8*	0.9*	1.0*	1.0*	1.0*	1.0*	1.1*
Fuels and power								
Electric power.....	Million kilowatt-hours.....	35.1	85.4*	106.3*	123.3*	155.0*	146.2	438.5
Coal.....	Million metric tons.....	0.33*	0.47*	0.62*	0.74*	0.86*	0.84*	1.39*
Diesel fuel.....	Thousand metric tons.....	N.A.	6.8*	7.0*	7.2*	7.1*	7.6*	
Petroleum.....	Thousand metric tons.....	N.A.	35.4*	28.6*	26.1*	22.6*	N.A.	
Gasoline.....	Thousand metric tons.....	N.A.	13.8*	17.8*	17.4*	17.9*	18.2*	
Agriculture and processed foods								
Total grain *.....	Thousand metric tons.....	47.2*	77.5*	256.5*	N.A.	N.A.	N.A.	
Potatoes.....	Thousand metric tons.....	7.1*	11.7*	18.5*	N.A.	N.A.	N.A.	
Hogs.....	Thousand head.....	3.2*	3.6*	3.9*	N.A.	N.A.	N.A.	
Fresh butter ^b	Thousand metric tons.....	4.9*	4.9*	4.8*	4.4*	3.9*	3.9*	
Minerals and metals								
Tungsten ore ^c	Metric tons.....	300	300	300	300	570	570	720
Manufactured items								
Lime.....	Thousand metric tons.....	N.A.	17.3*	15.3*	12.1*	17.9*	19.2*	
Bricks.....	Million units.....	N.A.	60.6*	77.5*	66.9*	61.0*	62.5*	
Leather footwear.....	Thousand pairs.....	N.A.	635.2*	904.3*	1,055.7	1,187.5	1,310.7*	
Transportation and trade								
Railroad freight traffic.....	Billion metric ton-kilometers...	N.A.	3.0*	3.0*	3.1*	N.A.	N.A.	4.1
Railroad freight traffic.....	Million metric tons carried....	N.A.	3.5*	3.9*	N.A.	N.A.	N.A.	
Imports.....	Million US \$.....	N.A.	77*	97*	137*	N.A.	N.A.	
Exports.....	Million US \$.....	N.A.	56*	72*	77*	N.A.	N.A.	
Total trade.....	Million US \$.....	N.A.	133*	169*	213*	N.A.	N.A.	

* An asterisk indicates that the data are unclassified.

* Including barley, oats, other cereals, and wheat.

^b Excluding butter prepared by the self-employed for their own use.^c Tungsten trioxide (60 percent WO₃ basis).

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MONGOLIA



TOTAL AREA: 114,520 Square kilometers
 ARABLE LAND: 21 Percent of the total area
 DENSITY: 60 Persons per square kilometer

CUBA

Table 35
Selected Economic Indicators
Selected Years, 1955-63

	Unit of Measure	1955	1958	1960	1961	1962	1963
Aggregative data and population							
Gross national product.....	Billion current US \$ *	2.23*	2.63	N.A.	2.79	2.55	2.32
Total population (midyear).....	Million persons.....	6.1*	6.5*	6.7*	6.8*	6.8*	6.9*
Fuels and power							
Electric power.....	Million kilowatt-hours.....	1,870	2,600	3,000	2,950	2,880	2,940
Minerals and metals							
Crude steel.....	Million metric tons.....	N.A.	0.03*	0.03*	0.02*	0.02*	N.A.
Manganese ore.....	Thousand metric tons.....	111 ^b	105 ^b	29 ^c	89	79	81
Refined nickel ^d	Thousand metric tons.....	13.7*	17.9*	14.7	17.9	22.3	21.3*
Chromite.....	Thousand metric tons.....	27.8*	27.0*	10.0*	14.2	50.5	56.6*
Agriculture and processed foods							
Total grain ^e	Million metric tons.....	0.39*	0.37*	0.37*	0.37*	0.44*	0.35*
Rice (rough or paddy).....	Thousand metric tons.....	215*	226*	205*	206*	248*	170*
Potatoes.....	Thousand metric tons.....	141.1*	111.7*	121.8*	130.0*	128.0*	110.0*
Cattle.....	Thousand head.....	4,450*	5,700*	5,760*	5,020*	5,770*	6,000*
Hogs.....	Thousand head.....	1,360*	1,750*	1,720*	1,200*	N.A.	N.A.
Meat ^f	Thousand metric tons.....	212*	221*	207*	161*	N.A.	N.A.
Fish catch.....	Thousand metric tons.....	12.8*	21.9*	31.2*	31.1*	35.9*	N.A.
Milk.....	Thousand metric tons.....	735*	740*	742*	700*	N.A.	N.A.

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Sugar	Thousand metric tons	4,528*	5,784*	5,862*	6,767*	4,815*	3,820*
Tobacco	Thousand metric tons	47.5*	52.8*	52.0*	47.0*	47.0*	47.0*
Molasses	Million gallons	429.2*	310.6*	287.4*	320.1*	234.3*	210.2*
Green coffee	Thousand metric tons	38.5*	43.5*	42.0*	48.0*	42.0*	28.0*
Ginned cotton	Thousand metric tons	0*	0*	5.0*	5.0*	N.A.	N.A.
Manufactured items							
Rubber tires	Thousand units	101	265	341	361	391	400
Construction and trade							
Cement	Thousand metric tons	424*	725*	400*	300*	300*	N.A.
Imports	Billion US \$	0.635*	0.850*	0.556*	0.705*	0.760*	0.730*
Exports	Billion US \$	0.611*	0.734*	0.620*	0.625*	0.520*	0.475*
Total trade	Billion US \$	1.25*	1.58*	1.18*	1.33*	1.28*	1.20*

* An asterisk indicates that the data are unclassified.

^a Converted from pesos at the rate of exchange of 1 peso to US \$1.

^b Exports.

^c US imports.

^d Nickel content of oxide and sulfides.

^e Including corn and rice only.

^f Carcass weight, bone-in basis.

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CUBA

50


YUGOSLAVIA

TOTAL AREA: 255,800 Square kilometers
 ARABLE LAND: 33 Percent of the total area
 DENSITY: 75 Persons per square kilometer

YUGOSLAVIA

Table 36
Selected Economic Indicators
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
Aggregative data and population								
Industrial production.....	1955=100.....	100*	143*	187*	200*	214*	247*	
Total population (midyear)...	Million persons.....	17.5*	18.0*	18.4*	18.6*	18.8*	19.1*	19.6*
Labor force * (midyear).....	Million persons.....	8.1*	N.A.	N.A.	8.4*	8.5*	8.6*	
Fuels and power								
Primary energy.....	Million MT/SF ^b	9.3*	12.1*	15.7*	16.0*	16.6*	18.5*	
Electric power.....	Billion kilowatt-hours.....	4.34*	7.36*	8.93*	9.92*	11.28*	13.53*	
Crude oil.....	Thousand metric tons.....	257*	462*	944*	1,341*	1,525*	1,611*	2,200*
Natural gas.....	Million cubic meters.....	55*	46*	53*	69*	95*	191*	400*
Metallurgical coke.....	Thousand metric tons.....	731*	1,030*	1,083*	1,099*	1,107*	1,090*	
Minerals and metals								
Crude steel.....	Million metric tons.....	0.80*	1.12*	1.44*	1.53*	1.60*	1.59*	
Iron ore.....	Million metric tons.....	1.40*	2.00*	2.20*	2.18*	2.19*	2.30*	
Refined copper.....	Thousand metric tons.....	24.8*	29.9*	35.1*	30.1*	45.5*	49.0*	
Primary aluminum.....	Thousand metric tons.....	12*	22*	25*	27*	28*	36*	
Bauxite.....	Thousand metric tons.....	791*	733*	1,025*	1,232*	1,332*	1,285*	
Agriculture and processed foods								
Total grain.....	Million metric tons.....	7.29*	7.39*	10.89*	8.93*	9.51*	10.38*	
Cattle ^c	Million head.....	5.29*	4.92*	5.35*	5.76*	5.88*	5.36*	
Hogs.....	Million head.....	4.78*	4.23*	6.21*	5.82*	5.16*	5.01*	
Meat ^d	Thousand metric tons.....	481*	367*	500*	487*	500*	N.A.	
Fish catch.....	Thousand metric tons.....	22.6*	31.4*	30.9*	37.3*	30.3*	N.A.	
Milk.....	Thousand metric tons.....	1,701*	2,192*	2,283*	2,249*	2,220*	2,204*	

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Manufactured items								
Cotton yarn ^a	Thousand metric tons.....	38*	45*	51*	55*	69*	75*	
Sulfuric acid.....	Thousand metric tons.....	73*	125*	130*	255*	286*	391*	
Mineral fertilizer.....	Thousand metric tons of nutrients.	34*	65*	59*	90*	114*	226*	400*
Automobiles.....	Thousand units.....	0.8*	2.9*	10.5*	15.0*	13.1*	20.9*	
Commercial vehicles.....	Thousand units.....	2.7*	4.8*	5.5*	6.3*	7.3*	8.8*	
Tractors.....	Thousand units.....	1.1*	5.2*	7.3*	4.9*	5.4*		
Transportation, construction, and trade								
Railroad freight traffic ^f	Billion metric ton-kilometers.	10.47*	11.88*	13.90*	14.94*	15.03*	17.34*	
Railroad freight traffic ^f	Million metric tons carried.	50.2*	57.3*	65.2*	64.2*	63.6*	N.A.	
Cement.....	Thousand metric tons.....	1,572*	1,967*	2,398*	2,336*	2,519*	2,817*	
Imports.....	Billion US \$.....	0.441*	0.685*	0.826*	0.910*	0.888*	1.06*	1.33*
Exports.....	Billion US \$.....	0.257*	0.441*	0.566*	0.569*	0.690*	0.790*	1.07*
Total trade.....	Billion US \$.....	0.698*	1.13*	1.39*	1.48*	1.58*	1.85*	2.40*

* An asterisk indicates that the data are unclassified.

^a Including the armed forces.

^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^c Including buffaloes.

^d Carcass weight, bone-in basis.

^e Including yarn of synthetic fibers.

^f Including service traffic.

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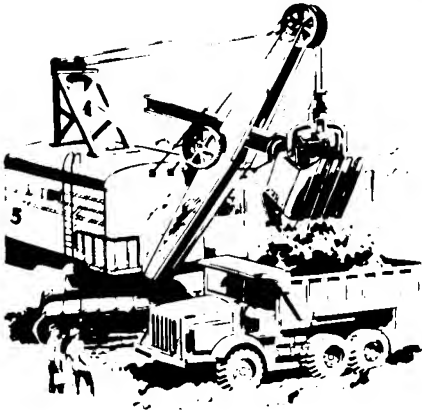
YUGOSLAVIA

TRADE



and

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TABLE

Graphic 3 SELECTED DATA ON FOREIGN TRADE FOR THE USSR
(Preceding page 53)

PAGE

37.	TRADE TURNOVER OF THE COMMUNIST COUNTRIES	53
38.	TRADE WITHIN THE COMMUNIST COUNTRIES	54
39.	TRADE OF THE COMMUNIST COUNTRIES WITH THE USSR	55
40.	TRADE OF THE COMMUNIST COUNTRIES WITH THE FREE WORLD	56
41.	DIRECTION OF INTERNATIONAL TRADE OF THE USSR	57
42.	COMMODITY EXPORTS TO THE INDUSTRIAL WEST FROM THE USSR	58
43.	COMMODITY IMPORTS FROM THE INDUSTRIAL WEST BY THE USSR	59
44.	COMMODITY EXPORTS TO THE LESS DEVELOPED COUNTRIES FROM THE USSR	60
45.	COMMODITY IMPORTS FROM THE LESS DEVELOPED COUNTRIES BY THE USSR	61
46.	EXPORTS OF PETROLEUM BY THE USSR	62
47.*	DIRECTION OF INTERNATIONAL TRADE OF COMMUNIST CHINA	63
48.	IMPORTS OF CHEMICAL EQUIPMENT FROM MAJOR SOURCES BY THE USSR	64
49.*	COMMUNIST ECONOMIC AID TO THE LESS DEVELOPED COUNTRIES, EXTENDED AND DRAWN BY YEAR	65
50.	TOTAL ECONOMIC AID EXTENDED TO LESS DEVELOPED COUNTRIES, BY RECIPIENT	66
51.*	ACADEMIC AND TECHNICAL STUDENTS FROM THE LESS DEVELOPED COUNTRIES WHO HAVE BEEN TRAINED IN THE COMMUNIST COUNTRIES, CUMULATIVE TOTALS BY YEAR	67
52.*	COMMUNIST ECONOMIC AND MILITARY TECHNICIANS IN THE LESS DEVELOPED COUNTRIES, NUMBER, PRESENT BY YEAR	68
53.*	HARD CURRENCY PAYMENTS DEFICIT FOR THE USSR	69
54.*	PRODUCTION, DISPOSITION, AND RESERVES OF GOLD FOR THE USSR	70

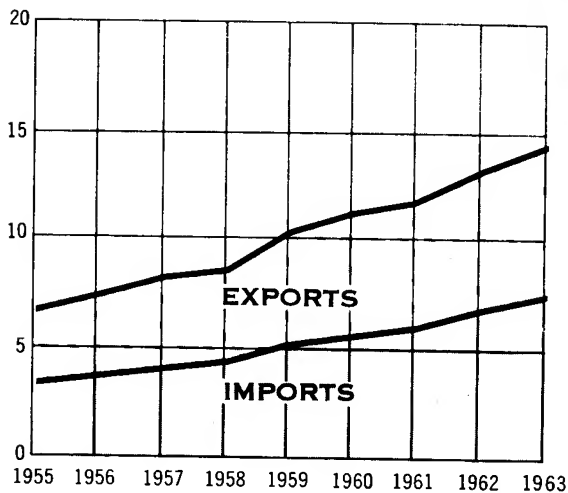
* Tabular Graphic

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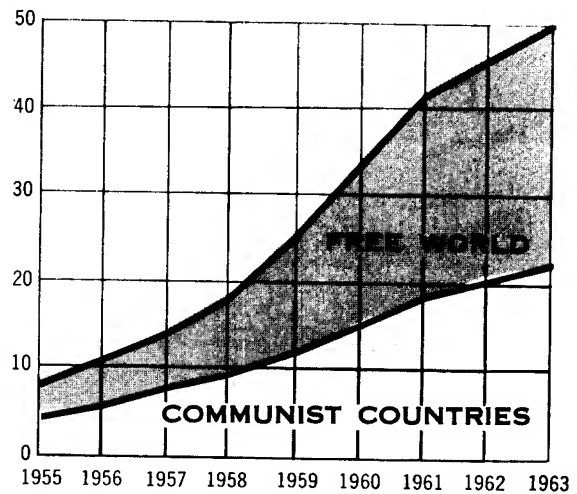
Graphic 3

SELECTED DATA ON FOREIGN TRADE FOR THE USSR 1955-63

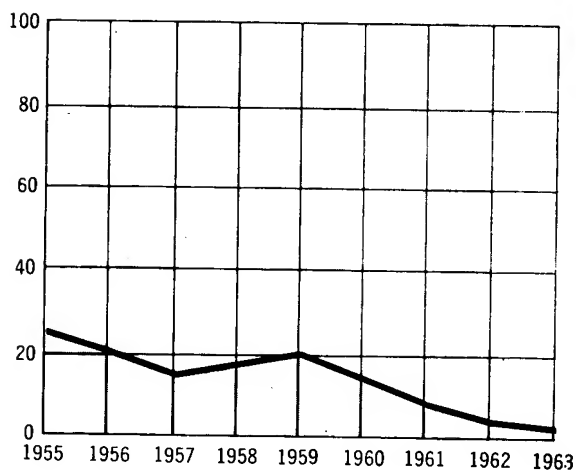
TOTAL TRADE TURNOVER
(Billion US Dollars)



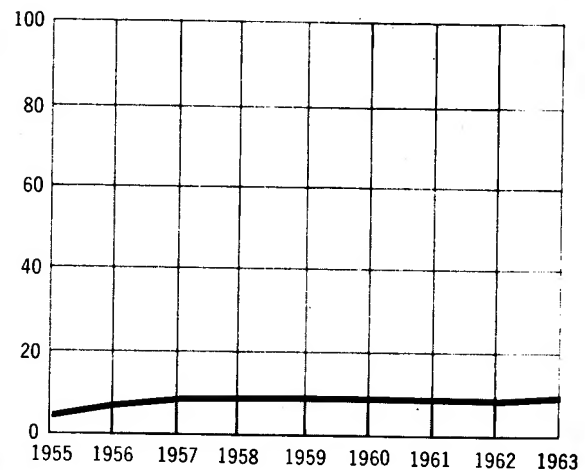
EXPORTS OF PETROLEUM
(Million Metric Tons)



TRADE WITH COMMUNIST CHINA
(Percent of Total)



TRADE WITH LESS DEVELOPED COUNTRIES
(Percent of Total)



39729 6-64

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GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

SECRET TRADE TURNOVER OF COMMUNIST COUNTRIES

Table 37

Trade Turnover of the Communist Countries *
Selected Years, 1955-63, and 1965 Plan

	Million US \$							Average Annual Rate of Growth ° (Percent) 1956-63
	1955	1958	1960	1961	1962	1963	1965 Plan ^b	
COMMUNIST COUNTRIES								
Soviet Bloc								
USSR.....	6,487*	8,647*	11,191*	11,826*	13,484*	14,331*	16,500*	10.4*
European Satellites								
Bulgaria.....	486*	740*	1,204*	1,328*	1,557*	1,754*	2,100*	17.4*
Czechoslovakia.....	2,229*	2,871*	3,745*	4,070*	4,264*	4,640* ^d	5,500*	9.6*
East Germany.....	2,451*	3,570*	4,360*	4,478*	4,725*	5,047*	5,400*	9.4*
Hungary.....	1,155*	1,314*	1,850*	2,054*	2,248*	2,511*	2,700*	10.2*
Poland.....	1,852*	2,286*	2,820*	3,190*	3,532*	3,749*	4,000*	9.2*
Rumania.....	884*	950*	1,365*	1,608*	1,759*	1,937*	2,050*	10.3*
Far East								
Communist China ^d	3,040	3,740	3,975	3,015	2,670	2,750	N.A.	-1.3
North Korea ^d	105	235	303	362	422	N.A.	N.A.	22.0 ^f
North Vietnam.....	80*	114*	208*	224*	239*	249*	305*	15.2*
Other Communist Countries								
Albania.....	56*	108*	130*	121*	91 ^d	102 ^d	N.A.	7.8
Cuba.....	°	°	1,176*	1,330*	1,280*	1,205*	N.A.	°
Yugoslavia.....	698*	1,126*	1,393*	1,479*	1,578*	1,847*	2,400*	12.9*

* An asterisk indicates that the data are unclassified.

° Official statistics of the countries listed, except where data are estimated. Exports and imports are f.o.b., except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

° Data may be estimated.

° The base year is 1955.

° Estimated data.

° Rounded to the nearest 5 million.

° Rate of growth for 1956-62.

° Not applicable, Cuba was not a Communist country before 1960.

Table 38

Trade within the Communist Countries *
Selected Years, 1955-63

Million US \$												
	Exports by Designated Country						Imports by Designated Country					
	1955 ^b	1958 ^b	1960	1961	1962	1963	1955 ^b	1958 ^b	1960	1961	1962	1963
COMMUNIST COUNTRIES												
Soviet Bloc												
USSR.....	2,723*	3,136*	4,208*	4,321*	4,909*	5,099*	2,418*	3,242*	3,978*	4,147*	4,563*	4,987*
European Satellites												
Bulgaria.....	212*	323*	480*	566*	637*	N.A.	223*	313*	531*	565*	650*	N.A.
Czechoslovakia.....	808*	1,065*	1,395*	1,443*	1,631*	N.A.	753*	957*	1,294*	1,395*	1,533*	N.A.
East Germany.....	940*	1,450*	1,660*	1,717*	1,856*	2,107*	828*	1,191*	1,608*	1,690*	1,885*	1,845*
Hungary.....	404*	492*	624*	767*	810*	850*	302*	450*	687*	712*	821*	900*
Poland.....	578*	620*	830*	939*	1,034*	1,122*	605*	714*	950*	1,054*	1,246*	1,326*
Rumania.....	341*	357*	523*	556*	560*	640*	386*	382*	474*	548*	634*	694*
Far East												
Communist China ^a ^d	945	1,260	1,330	960	925	830	1,310	1,095	1,275	720	500	440
North Vietnam.....	6*	41*	69*	66*	72*	73* ^e	73*	54*	118*	132*	137*	142* ^e
Other Communist Countries												
Albania.....	13*	29*	48*	48*	33* ^e	N.A.	42*	77*	77*	67*	54* ^e	N.A.
Cuba ^e	•	•	150*	480*	405*	280*	•	•	126*	515*	640*	620*
Yugoslavia.....	36*	128*	184*	181*	168*	214*	33*	196*	212*	171*	194*	242*

* An asterisk indicates that the data are unclassified.

^a Official statistics of the countries listed, except where data are estimated. Exports and imports are f.o.b., except for Hungary, Cuba, and Yugoslavia where imports are c.i.f.^b Excluding trade of the Communist countries with Cuba.^c Estimated data.^d Rounded to the nearest 5 million.^e Not applicable. Cuba was not a Communist country before 1960.

Table 39

Trade of the Communist Countries with the USSR ^a
Selected Years, 1955-63

Million US \$												
	Exports to the USSR						Imports from the USSR					
	1955	1958	1960	1961	1962	1963	1955	1958	1960	1961	1962	1963
COMMUNIST COUNTRIES												
European Satellites												
Bulgaria.....	119*	201*	307*	337*	388*	N.A.	118*	193*	332*	356*	443*	N.A.
Czechoslovakia.....	403*	497*	659*	713*	828*	N.A.	365*	452*	630*	656*	782*	N.A.
East Germany.....	516*	846*	925*	911*	1,073*	N.A.	422*	700*	958*	1,070*	1,373*	N.A.
Hungary.....	153*	159*	256*	332*	392*	N.A.	100*	194*	303*	356*	417*	N.A.
Poland.....	280*	265*	390*	485*	569*	617*	314*	334*	465*	490*	578*	647*
Rumania.....	210*	235*	282*	351*	343*	413*	268*	254*	266*	299*	371*	399*
Far East												
Communist China ^b	644* ^c	881*	848*	551*	516*	440 ^d	748* ^e	634*	817*	367*	233*	210 ^d
North Korea.....	41*	47*	75*	79*	88*	N.A.	44*	58*	39*	77*	81*	N.A.
North Vietnam.....	Negl.*	10*	23*	26*	30*	N.A.	Negl.*	8*	24*	41*	55*	N.A.
Other Communist Countries												
Albania.....	5*	14*	24*	21*	0 *	0 *	16*	45*	46*	22*	0 *	0 *
Cuba.....	^f	^f	100*	300*	220*	150*	^f	^f	80*	300*	410*	390*
Yugoslavia.....	18*	36*	53*	51*	43*	85*	14*	58*	57*	32*	59*	73*

^a An asterisk indicates that the data are unclassified.^b Official statistics of the countries listed, except where data are estimated or are official Soviet statistics. Exports and imports are f.o.b., except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.^c Unless otherwise indicated, Soviet statistics.^d Chinese statistics and trading partner reports give exports to the USSR as US \$644 million and imports from the USSR as US \$1,058 million.^e Estimated data.^f No known trade.^g Not applicable. Cuba was not a Communist country before 1960.

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TRADE OF THE COMMUNIST COUNTRIES
WITH THE USSR

Table 40

Trade of the Communist Countries with the Free World •
Selected Years, 1955-63

Million US \$												
	Exports to the Free World						Imports from the Free World					
	1955	1958	1960 ^b	1961 ^b	1962 ^b	1963 ^b	1955	1958	1960 ^b	1961 ^b	1962 ^b	1963 ^b
COMMUNIST COUNTRIES												
Soviet Bloc												
USSR.....	704*	1,161*	1,354*	1,677*	2,125*	2,173*	642*	1,108*	1,650*	1,681*	1,887*	2,072*
European Satellites												
Bulgaria.....	24*	51*	91*	97*	136*	N.A.	27*	54*	102*	101*	134*	N.A.
Czechoslovakia.....	368*	448*	535*	604*	563*	N.A.	300*	400*	521*	628*	537*	N.A.
East Germany.....	338*	439*	530*	545*	497*	559*	345*	489*	561*	526*	486*	536*
Hungary.....	197*	192*	249*	262*	289*	356*	252*	180*	288*	313*	328*	405*
Poland.....	341*	439*	495*	564*	612*	648*	327*	512*	546*	633*	639*	653*
Rumania.....	81*	111*	194*	236*	258*	276*	76*	100*	174*	267*	307*	328*
Far East												
Communist China ^c	410	660	625	560	585	715	375	725	745	775	660	765
North Vietnam.....	1*	10*	10*	14*	17*	20* ^c	1*	10*	10*	12*	12*	14* ^c
Other Communist Countries												
Albania.....	Negl.*	1*	1*	1*	2 ^c	N.A.	1*	2*	4*	5*	2 ^c	N.A.
Cuba.....	^c	^c	470*	145*	115*	195*	^c	^c	430*	190*	120* ^d	110* ^e
Yugoslavia.....	221*	313*	382*	388*	522*	576*	408*	489*	614*	739*	694*	815*

* An asterisk indicates that the data are unclassified.

^a Official statistics of the countries listed, except where data are estimated. Exports and imports are f.o.b., except for Hungary, Cuba, and Yugoslavia, where imports are c.i.f.

^b Excluding trade of the Communist countries with Cuba.

^c Estimated data.

^d Rounded to the nearest 5 million.

^e Not applicable. Cuba was not a Communist country before 1960.

^f Excluding US ransom payment of US \$13 million.

^g Excluding US ransom payment of US \$50 million.

TRADE OF THE COMMUNIST COUNTRIES
WITH THE FREE WORLD

SECRET

Table 41

Direction of International Trade of the USSR *
1955-62

Million US \$											
		Communist Countries					Free World				
Year		Total Foreign Trade	Total	European Satellites	Communist China	Other Asian	Other ^b	Total	Industrial West	Less Developed Countries	Other
1955....	Exports	3,426.6*	2,722.9*	1,792.1*	748.3*	166.1*	16.4*	703.7*	543.7*	112.3*	47.7*
	Imports	3,060.5*	2,418.3*	1,662.8*	643.5*	94.6*	17.4*	642.2*	430.6*	210.4*	1.2*
1956....	Exports	3,615.0*	2,729.3*	1,767.7*	733.0*	159.5*	69.1*	885.7*	597.2*	179.5*	109.0*
	Imports	3,612.6*	2,735.7*	1,815.0*	764.2*	106.8*	49.7*	876.9*	578.8*	296.5*	1.6*
1957....	Exports	4,381.4*	3,304.5*	2,549.9*	544.1*	137.4*	73.1*	1,076.9*	690.1*	282.8*	104.0*
	Imports	3,937.8*	2,825.7*	1,914.8*	738.1*	115.9*	56.9*	1,112.1*	672.5*	435.3*	4.3*
1958....	Exports	4,297.5*	3,136.3*	2,320.2*	634.0*	131.0*	51.1*	1,161.2*	669.6*	389.3*	102.3*
	Imports	4,349.5*	3,242.0*	2,205.6*	881.2*	104.2*	50.9*	1,107.5*	622.2*	481.6*	3.7*
1959....	Exports	5,440.7*	4,123.9*	2,950.5*	954.5*	172.7*	46.2*	1,316.8*	855.5*	343.5*	117.8*
	Imports	5,073.2*	3,789.5*	2,519.3*	1,100.3*	116.8*	53.1*	1,283.7*	756.5*	522.2*	5.0*
1960....	Exports	5,561.6*	4,207.5*	3,117.7*	817.1*	146.8*	125.9*	1,354.1*	972.6*	345.8*	35.7*
	Imports	5,628.9*	3,978.5*	2,819.4*	848.1*	154.1*	156.9*	1,650.4*	1,069.4*	574.9*	6.1*
1961....	Exports	5,998.2*	4,321.0*	3,399.7*	367.3*	210.8*	343.2*	1,677.1*	1,060.0*	507.4*	109.7*
	Imports	5,827.6*	4,146.7*	3,044.1*	551.4*	163.0*	388.2*	1,680.9*	1,087.7*	584.3*	8.9*
1962....	Exports	7,034.7*	4,909.3*	3,971.2*	233.4*	261.6*	443.1*	2,125.4*	1,105.1*	567.7*	452.6*
	Imports	6,449.7*	4,562.6*	3,587.5*	516.3*	178.8*	280.0*	1,887.1*	1,264.6*	614.0*	8.5*

* An asterisk indicates that the data are unclassified.

* Official Soviet statistics. Exports and imports are f.o.b.

^b Other Communist countries include Yugoslavia 1955-62, Albania 1961-62, and Cuba 1960-62. Albania is included in the European Satellites before 1961, and Cuba is included in the less developed countries of the Free World before 1960.

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INTERNATIONAL TRADE OF THE USSR

Table 42

Commodity Exports to the Industrial West from the USSR *
Selected Years, 1955-62

Value in Million US \$

	1955		1958		1959		1960		1961		1962	
	Value	Percent	Value	Percent	Value	Percent	Value	Percent	Value	Percent	Value	Percent
Total exports.....	543.7*	100.0*	669.6*	100.0*	855.5*	100.0*	972.6*	100.0*	1,060.0*	100.0*	1,105.1*	100.0*
Fuels, lubricants, and related materials.....	72.3*	13.3*	143.7*	21.5*	207.7*	24.3*	245.8*	25.3*	279.1*	26.3*	320.9*	29.0*
Coal and coke.....	27.2*	5.0*	53.3*	8.0*	55.0*	6.4*	57.1*	5.9*	65.1*	6.1*	77.7*	7.0*
Petroleum and petroleum products.....	45.1*	8.3*	90.4*	13.5*	152.7*	17.9*	188.7*	19.4*	214.0*	20.2*	243.3*	22.0*
Ores and concentrates.....	12.8*	2.4*	23.9*	3.6*	25.6*	3.0*	33.1*	3.4*	31.4*	3.0*	25.1*	2.3*
Manganese ore.....	7.7*	1.4*	16.2*	2.4*	14.6*	1.7*	14.9*	1.5*	13.3*	1.3*	9.1*	0.8*
Base metals and manufactures.....	52.2*	9.6*	95.3*	14.2*	95.5*	11.2*	111.3*	11.5*	119.9*	11.3*	118.2*	10.7*
Ferrous metals.....	42.2*	7.8*	33.1*	4.9*	47.0*	5.5*	70.9*	7.3*	80.9*	7.6*	84.0*	7.6*
Pig iron.....	24.8*	4.6*	12.4*	1.9*	23.8*	2.8*	34.7*	3.6*	40.6*	3.8*	46.0*	4.2*
Rolled ferrous metals...	7.9*	1.5*	10.3*	1.5*	11.8*	1.4*	18.9*	1.9*	24.0*	2.3*	24.0*	2.2*
Nonferrous metals.....	10.0*	1.8*	62.3*	9.3*	48.5*	5.7*	40.3*	4.1*	39.0*	3.7*	34.2*	3.1*
Tin.....	N.A.	N.A.	32.2*	4.8*	23.7*	2.8*	13.1*	1.3*	1.8*	0.2*	N.A.	N.A.
Aluminum.....	2.8*	0.5*	20.8*	3.1*	15.2*	1.8*	7.3*	0.8*	7.2*	0.7*	14.7*	1.3*
Wood and wood products...	112.4*	20.7*	122.9*	18.4*	129.4*	15.1*	157.5*	16.2*	177.3*	16.7*	200.9*	18.2*
Lumber.....	73.2*	13.5*	75.1*	11.2*	83.8*	9.8*	99.3*	10.2*	106.7*	10.1*	109.6*	9.9*
Textile raw materials and semimanufactures.....	65.4*	12.0*	39.3*	5.9*	60.5*	7.1*	70.4*	7.2*	52.1*	4.9*	52.6*	4.8*
Cotton fibers.....	47.4*	8.7*	22.0*	3.3*	39.2*	4.6*	50.3*	5.2*	34.7*	3.3*	28.8*	2.6*
Consumer goods.....	107.8*	19.8*	123.4*	18.4*	171.7*	20.1*	168.2*	17.3*	206.6*	19.5*	183.8*	16.6*
Food.....	70.0*	12.9*	85.0*	12.7*	126.4*	14.8*	117.4*	12.1*	158.2*	14.9*	130.1*	11.8*
Grain.....	47.5*	8.8*	63.1*	9.4*	99.1*	11.6*	85.3*	8.8*	128.2*	12.1*	93.2*	8.4*
Other consumer goods...	37.8*	7.0*	38.4*	5.7*	45.3*	5.3*	50.8*	5.2*	48.4*	4.6*	53.7*	4.9*
Furs and pelts.....	35.6*	6.6*	34.1*	5.1*	39.9*	4.7*	44.3*	4.5*	841.4*	3.9*	46.2*	4.2*
Other merchandise.....	68.4*	12.6*	93.4*	13.9*	120.1*	14.0*	147.5*	15.2*	130.0*	12.3*	122.0*	11.0*
Unspecified.....	52.4*	9.7*	27.6*	4.1*	45.2*	5.3*	38.8*	4.0*	63.7*	6.0*	81.6*	7.4*

* An asterisk indicates that the data are unclassified.

* Official Soviet statistics. Exports are f.o.b.

Table 43

Commodity Imports from the Industrial West by the USSR *
Selected Years, 1955-62

Value in Million US \$

	1955		1958		1959		1960		1961		1962	
	Value	Percent	Value	Percent	Value	Percent	Value	Percent	Value	Percent	Value	Percent
Total imports.....	430.6*	100.0*	622.2*	100.0*	756.5*	100.0*	1,069.4*	100.0*	1,087.7*	100.0*	1,264.6*	100.0*
Machinery and equipment..	181.5*	42.1*	194.1*	31.2*	293.9*	38.8*	455.9*	42.6*	469.8*	43.2*	596.0*	47.1*
Chemical equipment....	N.A.	N.A.	19.5*	3.1*	77.8*	10.3*	135.4*	12.7*	132.0*	12.1*	88.4*	7.0*
Transport equipment....	101.4*	23.5*	76.7*	12.3*	91.6*	12.1*	121.1*	11.3*	68.1*	6.3*	149.9*	11.8*
Base metals and manu- factures.....	53.4*	12.4*	161.9*	26.0*	219.1*	29.0*	303.2*	28.4*	241.9*	22.2*	294.9*	23.3*
Ferrous metals.....	12.3*	2.9*	106.3*	17.1*	175.9*	23.3*	252.1*	23.6*	192.9*	17.7*	242.7*	19.2*
Rolled ferrous metals..	8.1*	1.9*	97.6*	15.7*	94.4*	12.5*	135.7*	12.7*	96.5*	8.9*	109.9*	8.7*
Pipes.....	1.3*	0.3*	1.1*	0.2*	68.9*	9.1*	101.9*	9.5*	80.7*	7.4*	119.6*	9.5*
Nonferrous metals.....	41.1*	9.5*	55.6*	8.9*	43.3*	5.7*	51.1*	4.8*	49.0*	4.5*	52.2*	4.1*
Copper.....	40.2*	9.3*	54.1*	8.7*	35.7*	4.7*	38.2*	3.6*	32.0*	2.9*	44.9*	3.6*
Wood and wood products..	48.9*	11.4*	63.4*	10.2*	49.2*	6.5*	52.2*	4.9*	70.1*	6.4*	64.5*	5.1*
Textile raw materials and semimanufactures....	29.6*	6.9*	50.7*	8.1*	43.3*	5.7*	79.5*	7.4*	83.8*	7.7*	77.3*	6.1*
Wool fibers.....	18.4*	4.3*	17.1*	2.7*	10.2*	1.3*	48.1*	4.5*	37.1*	3.4*	29.5*	2.3*
Synthetic fibers.....	7.3*	1.7*	18.9*	3.0*	20.1*	2.7*	12.9*	1.2*	28.7*	2.6*	20.9*	1.6*
Consumer goods.....	43.1*	10.0*	71.5*	11.5*	56.8*	7.5*	44.1*	4.1*	73.5*	6.8*	59.2*	4.7*
Other merchandise.....	28.7*	6.7*	70.0*	11.3*	85.4*	11.3*	118.0*	11.0*	126.5*	11.6*	147.9*	11.7*
Unspecified.....	45.5*	10.6*	10.6*	1.7*	8.8*	1.2*	16.7*	1.6*	22.1*	2.0*	24.8*	2.0*

* An asterisk indicates that the data are unclassified.

* Official Soviet statistics. Imports ore f.o.b.

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IMPORTS FROM THE INDUSTRIAL WEST

80

EXPORTS TO THE LESS
DEVELOPED COUNTRIES

Table 44

Commodity Exports to the Less Developed Countries from the USSR *
Selected Years, 1955-62

Value in Million US \$

	1955		1958		1959		1960		1961		1962	
	Value	Percent	Value	Percent	Value	Percent	Value	Percent	Value	Percent	Value	Percent
Total exports.....	112.3*	100.0*	389.3*	100.0*	343.5*	100.0*	345.8*	100.0*	507.4*	100.0*	567.7*	100.0*
Machinery and equipment.....	5.4*	4.8*	160.5*	41.2*	112.8*	32.8*	125.7*	36.4*	236.1*	46.5*	285.9*	50.4*
Complete plants.....	1.1*	1.0*	112.3*	28.8*	69.3*	20.2*	68.6*	19.8*	138.8*	27.4*	184.9*	32.6*
Petroleum and petroleum prod- ucts.....	31.9*	28.4*	78.2*	20.1*	80.2*	23.3*	61.3*	17.7*	67.4*	13.3*	62.2*	11.0*
Rolled ferrous metals.....	16.2*	14.4*	33.4*	8.6*	29.2*	8.5*	24.3*	7.0*	23.5*	4.6*	31.7*	5.6*
Wood and wood products.....	15.3*	13.6*	30.5*	7.8*	30.5*	8.9*	38.8*	11.2*	38.1*	7.5*	34.0*	6.0*
Food.....	10.5*	9.4*	45.6*	11.7*	45.2*	13.2*	39.3*	11.4*	47.6*	9.4*	68.7*	12.1*
Other merchandise.....	28.8*	25.7*	38.1*	9.8*	40.8*	11.9*	50.2*	14.5*	56.5*	11.1*	64.9*	11.4*
Unspecified.....	4.1*	3.7*	2.9*	0.7*	4.9*	1.4*	6.2*	1.8*	38.2*	7.5*	20.3*	3.6*

* An asterisk indicates that the data are unclassified.

* Official Soviet statistics. Exports are f.o.b.

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Table 45

Commodity Imports from the Less Developed Countries by the USSR *
Selected Years, 1955-62

Value in Million US \$

	1955		1958		1959		1960		1961		1962	
	Value	Percent	Value	Percent	Value	Percent	Value	Percent	Value	Percent	Value	Percent
Total imports.....	210.4*	100.0*	481.6*	100.0*	522.2*	100.0*	574.9*	100.0*	584.3*	100.0*	614.0*	100.0*
Nonferrous metals.....	0.2*	0.1*	N.A.	N.A.	33.9*	6.5*	33.3*	5.8*	19.9*	3.4*	20.4*	3.3*
Cotton fibers.....	18.9*	9.0*	135.2*	28.1*	111.6*	21.4*	139.4*	24.3*	122.0*	20.9*	112.0*	18.2*
Natural rubber.....	25.5*	12.1*	131.4*	27.3*	144.0*	27.6*	151.8*	26.4*	224.8*	38.5*	205.9*	33.5*
Food.....	95.8*	45.6*	91.9*	19.1*	106.8*	20.5*	123.3*	21.4*	99.1*	17.0*	140.3*	22.8*
Other merchandise.....	47.8*	22.7*	121.8*	25.3*	124.4*	23.8*	126.5*	22.0*	115.5*	19.8*	128.7*	21.0*
Unspecified.....	22.1*	10.5*	1.2*	0.2*	1.5*	0.3*	0.7*	0.1*	3.0*	0.5*	6.6*	1.1*

* An asterisk indicates that the data are unclassified.

* Official Soviet statistics. Imports are f.o.b.

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IMPORTS FROM THE LESS
DEVELOPED COUNTRIES

EXPORTS OF PETROLEUM

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Table 46

Exports of Petroleum by the USSR •
Selected Years, 1955-63

	1955	1958	1959	1960	1961	1962	1963
	Million Metric Tons						
Total petroleum.....	8.0*	18.1*	25.4*	33.2*	41.2*	45.4*	50.0
Free World.....	3.8*	9.2*	14.1*	18.1*	22.8*	24.7*	28.0
Communist countries.....	4.2*	9.0*	11.3*	15.1*	18.4*	20.6*	22.0
Crude oil.....	2.9*	9.1*	12.5*	17.8*	23.4*	26.3*	N.A.
Free World.....	0.68*	3.9*	6.1*	9.0*	13.3*	13.6*	15.0
Communist countries.....	2.2*	5.2*	6.4*	8.8*	10.1*	12.6*	N.A.
Petroleum products.....	5.1*	9.0*	12.8*	15.4*	17.8*	19.1*	N.A.
Free World.....	3.1*	5.3*	8.0*	9.1*	9.5*	11.1*	13.0
Communist countries.....	2.0*	3.8*	4.8*	6.3*	8.3*	8.0*	N.A.
	Million US \$						
Total petroleum.....	230.1*	429.9*	567.0*	657.9*	757.8*	807.8*	N.A.
Free World.....	79.7*	170.0*	236.5*	250.1*	281.7*	306.4*	381.9
Communist countries.....	150.4*	259.9*	330.5*	407.8*	476.1*	501.4*	N.A.
Crude oil.....	64.1*	169.8*	221.1*	275.7*	321.5*	368.1*	N.A.
Free World.....	10.4*	58.0*	82.9*	101.5*	134.3*	135.2*	167.5
Communist countries.....	53.7*	111.8*	138.2*	174.2*	187.2*	232.9*	N.A.
Petroleum products.....	166.0*	260.1*	345.9*	382.2*	436.3*	439.7*	N.A.
Free World.....	69.3*	112.0*	153.7*	148.6*	147.4*	171.2*	214.4
Communist countries.....	96.7*	148.1*	192.2*	233.6*	288.9*	268.5*	N.A.

* An asterisk indicates that the data are unclassified.

• Data for exports of total petroleum, crude oil, and petroleum products and for exports to the Communist countries are official Soviet statistics. Data for the Free World are derived as a residual and include exports to the Free World that are not specified as to country. Therefore, the values in this table will differ slightly from the sum of the data from Tables 42 (p. 58, above) and 44 (p. 60, above).

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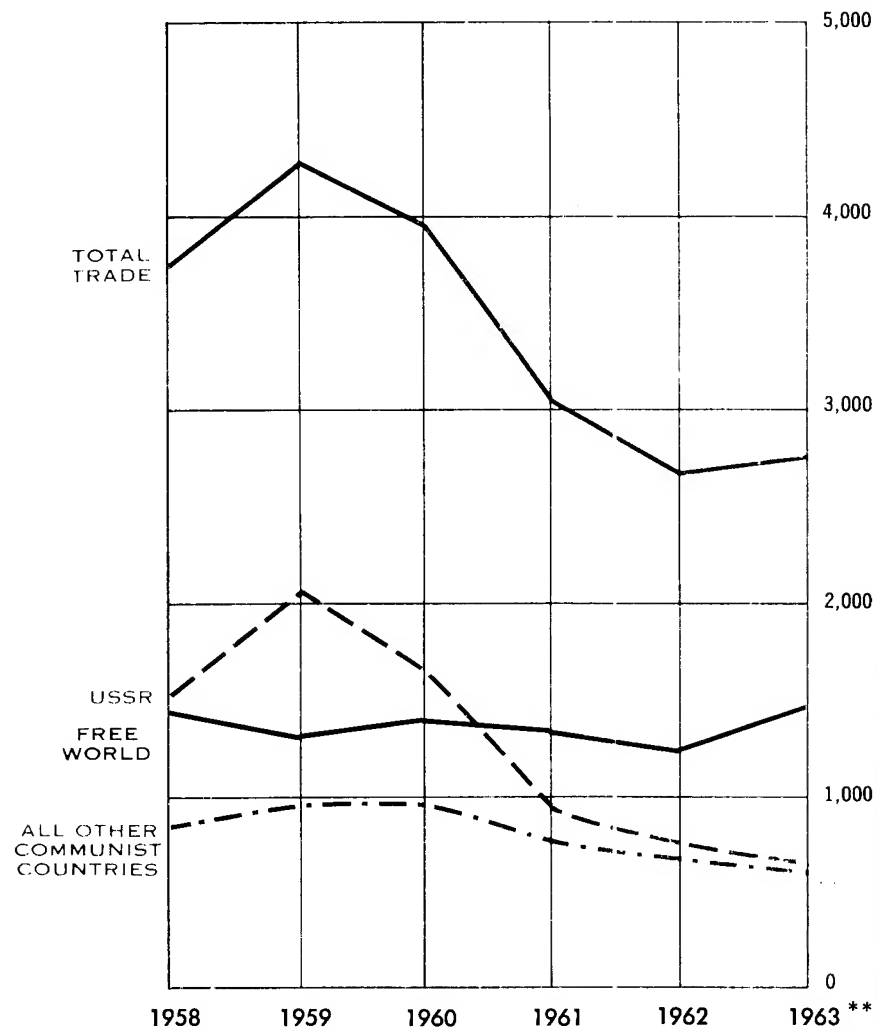
Tabular Graphic

DIRECTION OF INTERNATIONAL TRADE OF COMMUNIST CHINA 1958-63

TABLE 47

	MILLION CURRENT US \$ *					
	1958	1959	1960	1961	1962	1963**
TOTAL TRADE	3,740	4,290	3,975	3,015	2,670	2,750
FREE WORLD	1,385	1,305	1,370	1,335	1,250	1,485
COMMUNIST COUNTRIES	2,355	2,985	2,605	1,675	1,420	1,270
USSR	1,515	2,055	1,665	920	750	650
ALL OTHER COMMUNIST COUNTRIES	840	930	940	755	670	615***

(Million US \$*)



* All data are rounded to the nearest 5 million

** Preliminary

*** An order of magnitude

39758 6-64

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GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

IMPORTS OF CHEMICAL EQUIPMENT

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Table 48

Imports of Chemical Equipment from Major Sources by the USSR
Selected Years, 1955-62

	Thousand New Rubles ^a					
	1955	1958	1959	1960	1961	1962
Total ^b	22,133*	45,531*	103,784*	168,242*	173,746*	143,283*
European Satellites	22,127*	27,999	33,723*	45,367*	53,225*	63,953*
Of which:						
Czechoslovakia	10,960*	10,821*	13,241*	22,825*	26,153*	29,908*
East Germany	10,376*	15,849*	17,959*	16,720*	16,126*	20,096*
Industrial West	6*	17,532*	70,056*	121,835*	118,730* ^c	79,244* ^c
Of which:						
UK	N.A.*	5,657*	30,147*	35,263*	37,194*	15,958*
West Germany	N.A.*	4,947*	20,008*	37,398*	18,693*	7,667*
Italy	N.A.*	18*	6,012*	20,557*	25,307*	12,951*
France	N.A.*	3,337*	6,494*	15,897*	16,564*	16,300*

* An asterisk indicates that the data are unclassified.

^a Rubles may be converted to dollars on the basis of a nominal rate of exchange based on the gold content of the respective currencies of 0.90 ruble to US \$1.^b The slight discrepancy between the total and the components is unaccounted for in official Soviet statistics.^c Excluding equipment used for the manufacture of glass plastics.

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Tabular Graphic

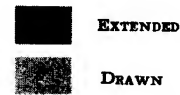
COMMUNIST ECONOMIC AID TO THE LESS DEVELOPED COUNTRIES EXTENDED AND DRAWN, BY YEAR

TABLE 49

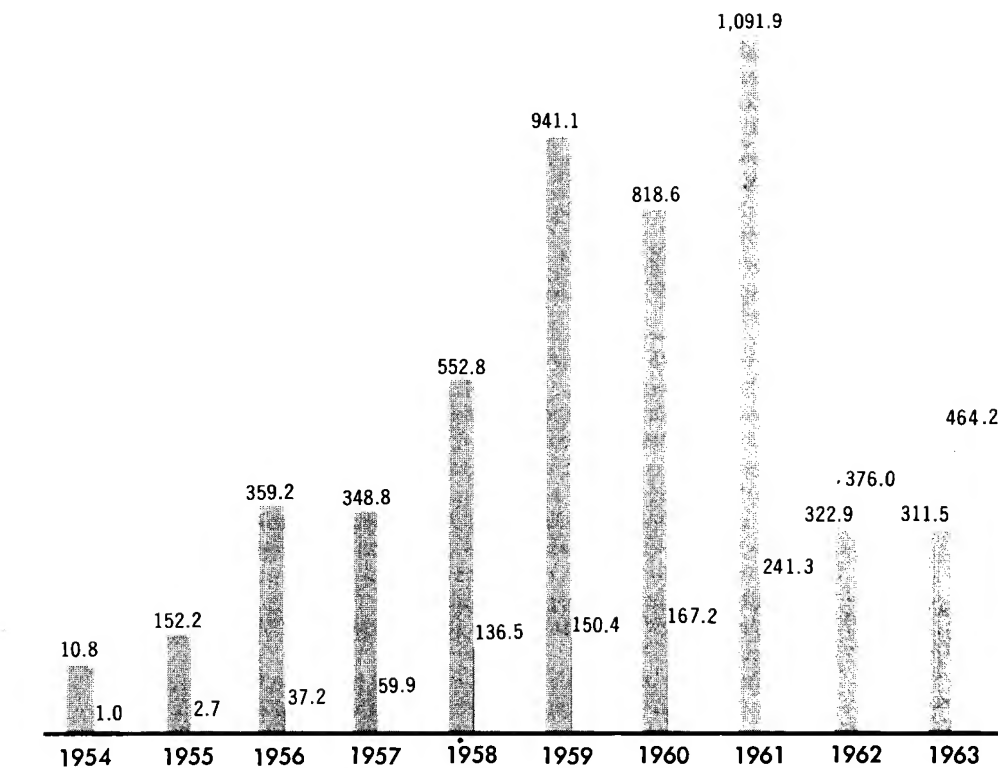
MILLION US \$

	EXTENDED	DRAWN
1954	10.8	1.0
1955	152.2	2.7
1956	359.2	37.2
1957	348.8	59.9
1958	552.8	136.5
1959	941.1	150.4
1960	818.6	167.2
1961	1,091.9	241.3
1962	322.9	376.0
1963	311.5	464.2

January 1954 - December 1963



(Million US \$)



ECONOMIC AID

SECRET

Table 50

Total Economic Aid Extended to Less Developed Countries,
by Recipient
1 July 1954-31 December 1963 *

Million US \$		
Recipient Country	US ^b	Communist Countries ^c
Total.....	13,611*	4,910*
Afghanistan.....	189*	501*
Algeria (FLN).....	94*	160*
Argentina.....	541*	104*
Brazil.....	1,309*	183*
Burma.....	91*	99*
Cambodia.....	269*	76*
Ceylon.....	84*	77*
Cyprus.....	20*	1*
Ethiopia.....	114*	114*
Ghana.....	159*	190*
Guinea.....	30*	125*
Iceland.....	37*	5*
India.....	4,212*	982*
Indonesia.....	497*	651*
Iran.....	629*	45*
Iraq.....	16*	218*
Laos ^d	38*	12
Mali.....	9*	98*
Morocco.....	410*	17*
Nepal.....	66*	54*
Pakistan.....	2,106*	33*
Somali Republic.....	36*	84*
Sudan.....	74*	23*
Syrian Arab Republic.....	83*	209*
Tunisia.....	355*	47*
Turkey.....	1,348*	17*
United Arab Republic.....	766*	741*
Yemen.....	29*	44*

* An asterisk indicates that the data are unclassified.

^a US data are for the period 1 July 1954-1 July 1963. Data for Communist countries include extensions of US \$3.7 million made in January 1954 to Afghanistan.

^b Including economic and technical assistance and defense support obligations under the Foreign Assistance Act and antecedent legislation, authorized Inter-American Development Bank loans, PL 480 funds earmarked for shipments of surplus agricultural products, authorized long-term Export-Import Bank loans, and US contributions to international organizations.

^c Data reflect extensions, not actual drawings. Including credits and grants.

^d Including only those credits extended after the formation of the Laos Coalition Government under the Geneva accord of July 1962.

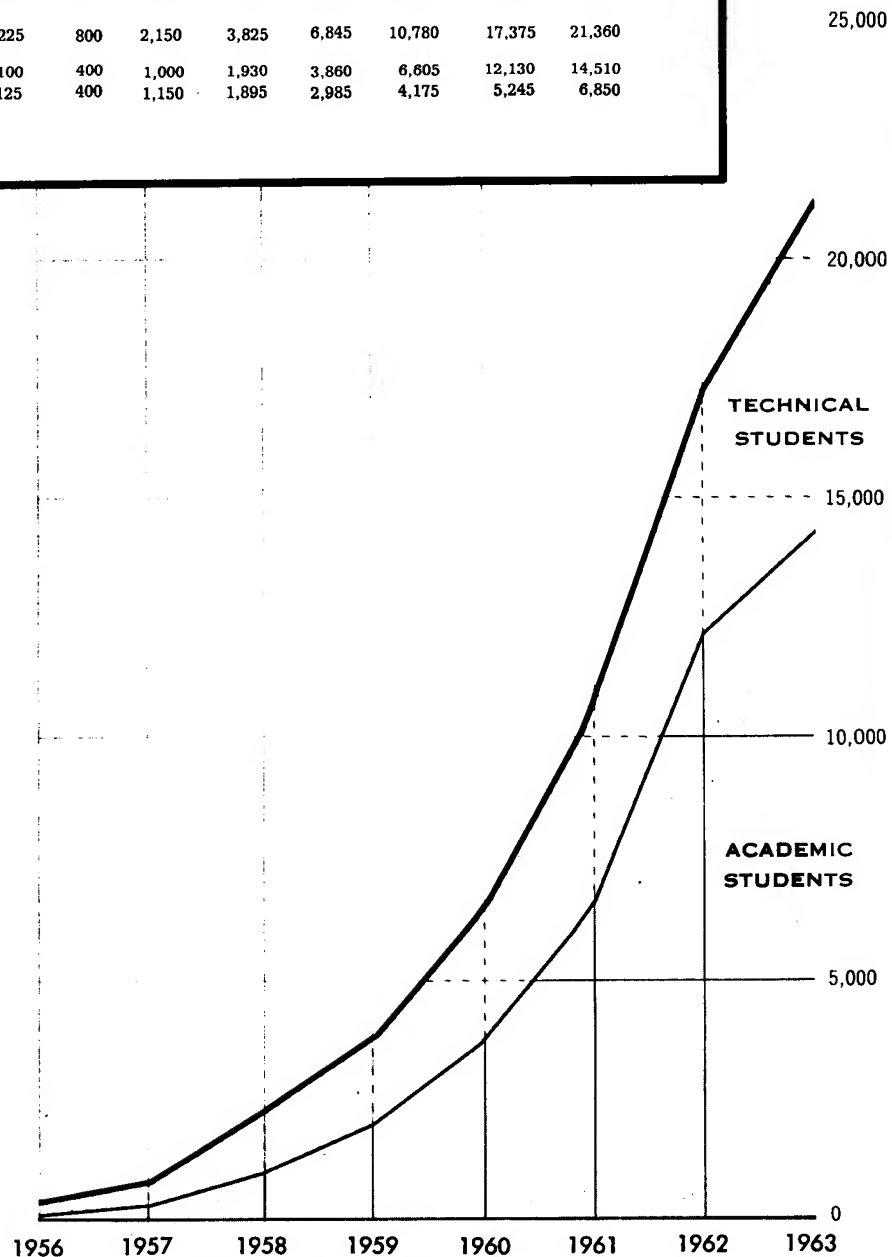
SECRET

Tabular Graphic

**ACADEMIC AND TECHNICAL STUDENTS
FROM THE LESS DEVELOPED COUNTRIES
WHO HAVE BEEN TRAINED IN THE COMMUNIST COUNTRIES
CUMULATIVE TOTALS, BY YEAR, 1956-63**

TABLE 51

	CUMULATIVE NUMBER OF STUDENTS							
	1956	1957	1958	1959	1960	1961	1962	1963
TOTAL	225	800	2,150	3,825	6,845	10,780	17,375	21,360
ACADEMIC	100	400	1,000	1,930	3,860	6,605	12,130	14,510
TECHNICAL	125	400	1,150	1,895	2,985	4,175	5,245	6,850

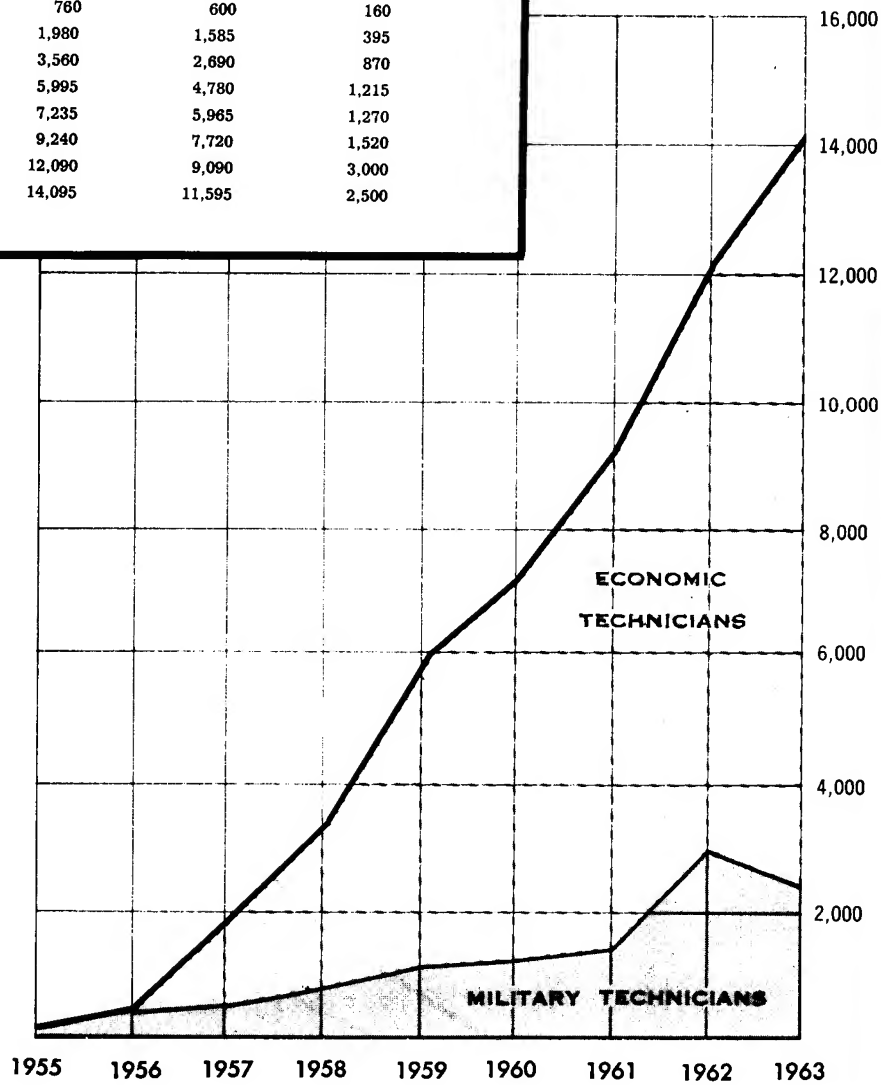
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SECRET*Tabular Graphic*

COMMUNIST ECONOMIC AND MILITARY TECHNICIANS IN THE LESS DEVELOPED COUNTRIES NUMBER PRESENT, BY YEAR, 1955-63

TABLE 52NUMBER OF TECHNICIANS

	<u>TOTAL</u>	<u>ECONOMIC</u>	<u>MILITARY</u>
1955	20		20
1956	760	600	160
1957	1,980	1,585	395
1958	3,560	2,690	870
1959	5,995	4,780	1,215
1960	7,235	5,965	1,270
1961	9,240	7,720	1,520
1962	12,090	9,090	3,000
1963	14,095	11,595	2,500

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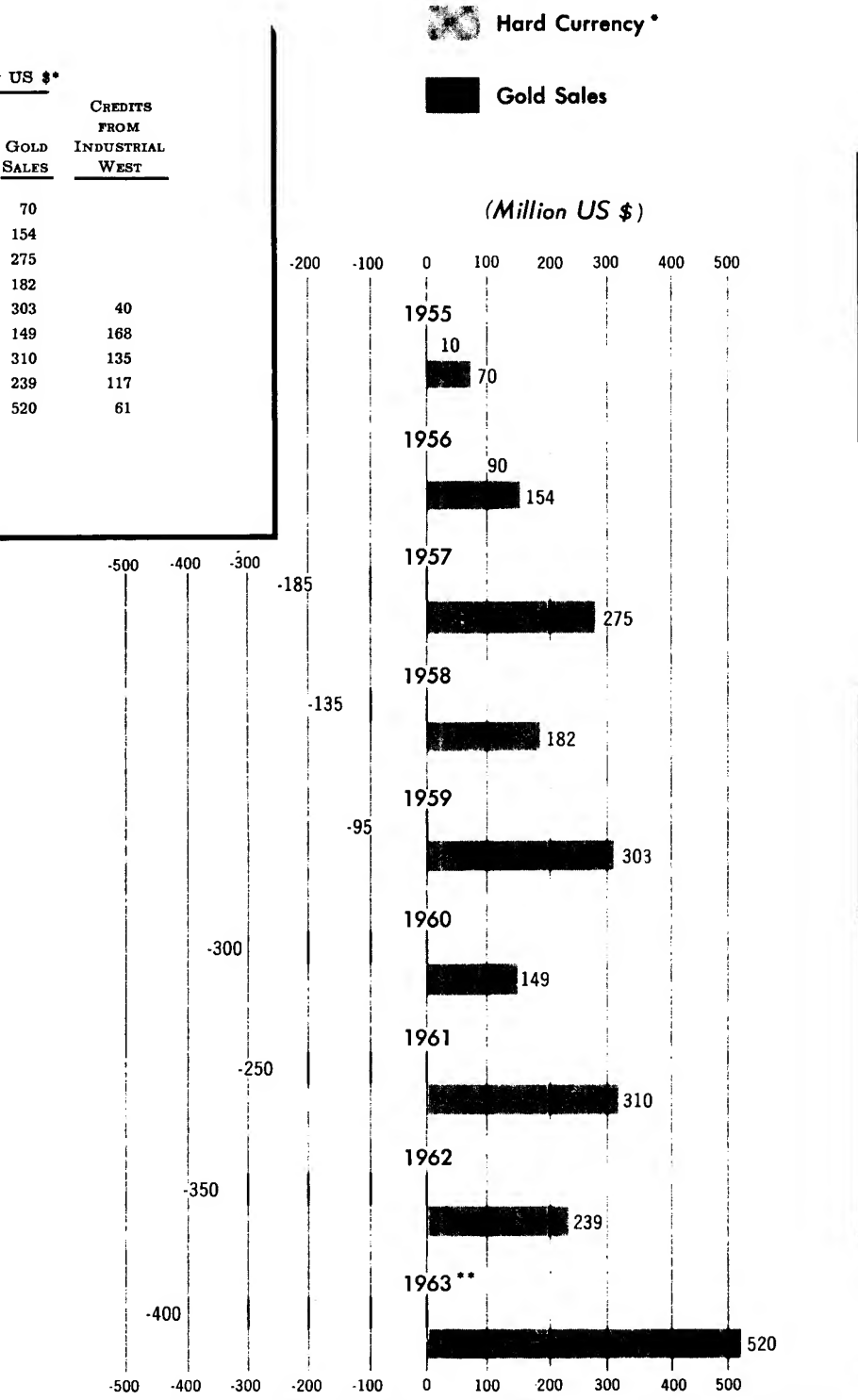
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Tabular Graphic

HARD CURRENCY PAYMENTS DEFICIT FOR THE USSR, 1955-63

TABLE 53

	MILLION US \$*		
	HARD CURRENCY*	GOLD SALES	CREDITS FROM INDUSTRIAL WEST
1955	+10	70	
1956	+90	154	
1957	-185	275	
1958	-135	182	
1959	-95	303	40
1960	-300	149	168
1961	-250	310	135
1962	-350	239	117
1963**	-400	520	61



* Hard currency deficit is primarily a trade deficit

** Preliminary

39762 6-64

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AND DECLASSIFICATION

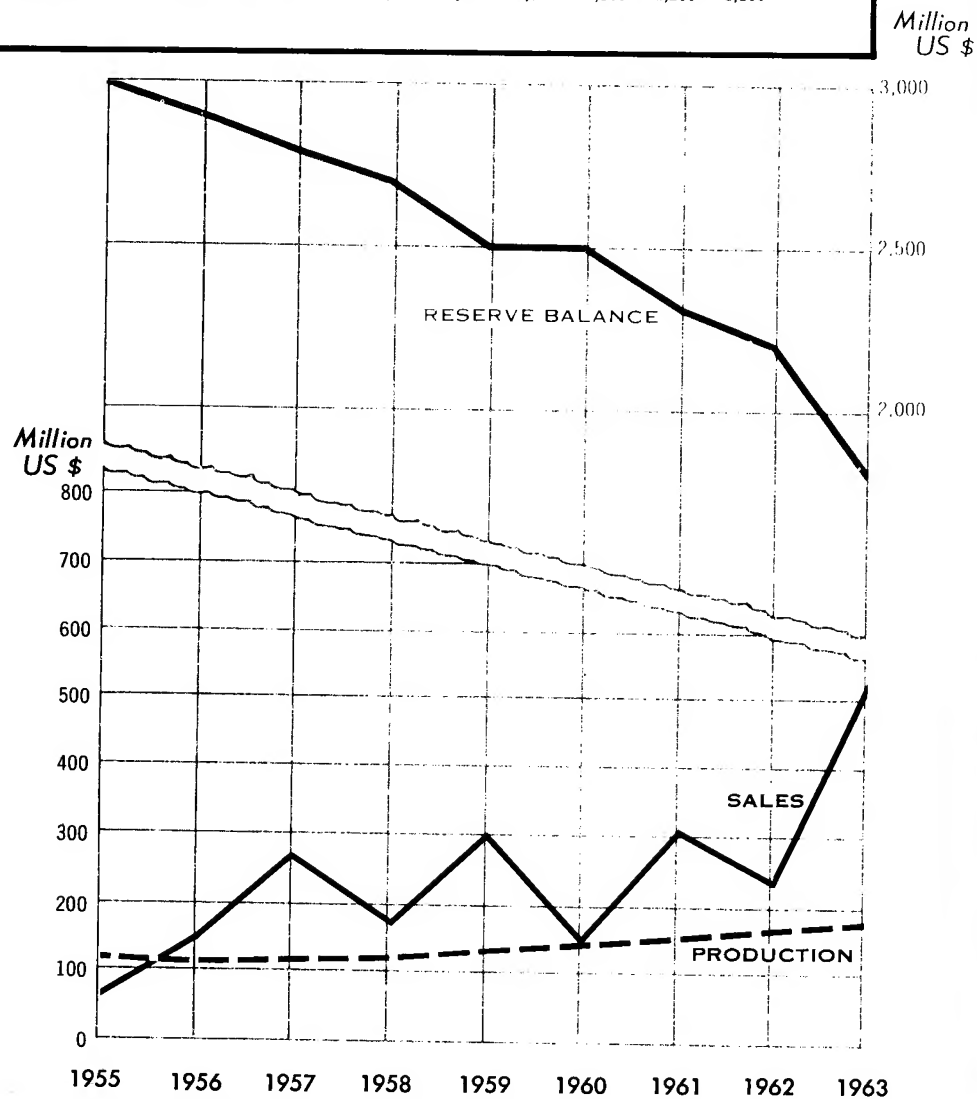
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Tabular Graphic

PRODUCTION, DISPOSITION, AND RESERVES OF GOLD FOR THE USSR, 1955-63

TABLE 54

	MILLION US \$ AT 35 DOLLARS PER TROY OUNCE								
	1955	1956	1957	1958	1959	1960	1961	1962	1963
PRODUCTION	121	117	119	125	136	144	154	168	179
NET CONSUMPTION	20	20	20	20	20	37	37	37	37
SALES	70	154	275	182	303	149	310	239	520
OTHER ADDITIONS AND WITHDRAWALS	+11	+Negl.	+21	+14	+18	0	0	0	0
CHANGE IN RESERVES END OF THE YEAR	-42	-57	-155	-63	-169	-42	-193	-108	-378
RESERVE BALANCE	3,000	2,900	2,800	2,700	2,500	2,500	2,300	2,200	1,800



39763 6-64

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AND DECLASSIFICATION

AGRICULTURE and PROCESSED FOODS



TABLE	PAGE	TABLE	PAGE
Graphic 4	COMPARATIVE DATA ON AGRICULTURE FOR THE US AND THE USSR (<i>Preceding page 71</i>)	62.	TOTAL GRAIN 78
55.	LAND UTILIZATION 71	63.	BREADGRAINS 79
56.	DAILY AVAILABILITY OF FOOD PER CAPITA 72	64.	OTHER GRAINS 80
57.*	AVERAGE DIETS FOR THE US AND THE USSR 73	65.	RICE 81
58.	AGRICULTURAL PRODUCTION AND AVAILABILITY OF GRAIN IN THE USSR ... 74	66.	POTATOES 82
59.*	AGRICULTURE IN THE NEW LANDS OF THE USSR 75	67.	MEAT 83
60.	PRODUCTION AND AVAILABILITY OF GRAIN IN COMMUNIST CHINA 76	68.	MILK 84
61.*	INDEXES OF AGRICULTURAL PRODUCTION IN THE EUROPEAN SATELLITES 77	69.	SUGAR 85
		70.	FISH CATCH 86
		71.	CATTLE 87
		72.	HOGS 88
		73.	GINNED COTTON 89
		74.	WOOL 90
		75.	GRAIN COMBINES 91
		76.	TRACTORS 92

* Tabular Graphic

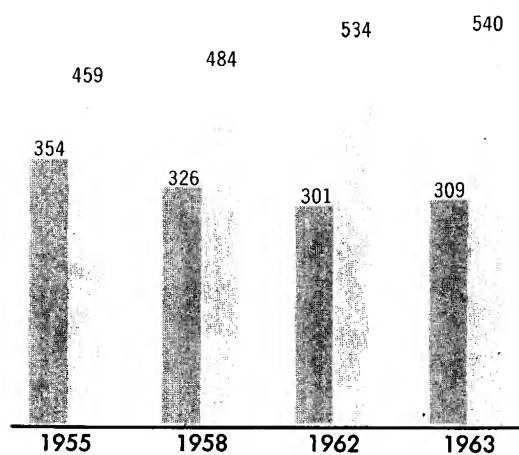
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Graphic 4

COMPARATIVE DATA ON AGRICULTURE FOR THE US AND THE USSR SELECTED YEARS, 1955-63

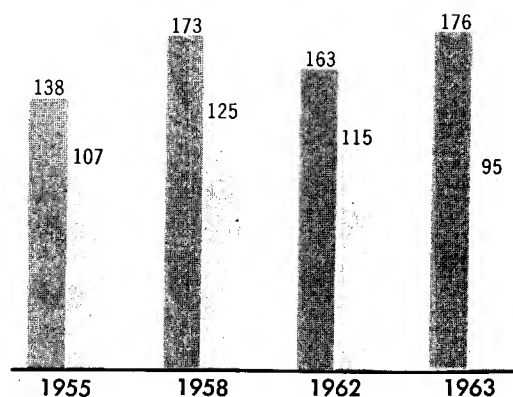
PLANTED ACREAGE

(Million Acres)



PRODUCTION OF TOTAL GRAIN

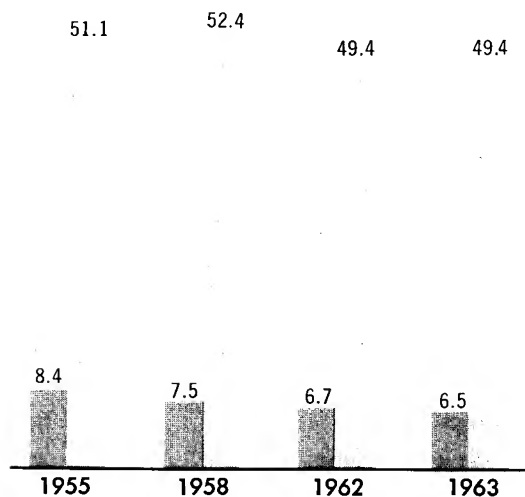
(Million Metric Tons)



US
USSR

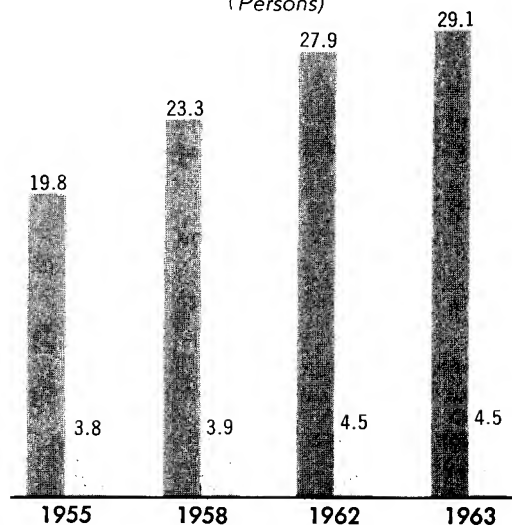
PERSONS EMPLOYED ON FARMS*

(Million Persons)



NUMBER OF PERSONS SUPPLIED PER FARM WORKER

(Persons)



*For definitional concepts see Table 20, p. 22

39730 6-64

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AND DECLASSIFICATION

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LAND UTILIZATION

Table 55
Land Utilization

	Thousand Hectares ^a		Arable Land as a Percent of the Total Area
	Total Area ^b	Arable Land ^c	
NATO COUNTRIES			
US.....	936,323*	185,152*	20*
Belgium.....	3,051*	935*	31*
Canada.....	997,618*	41,845*	4*
Denmark.....	4,304*	2,817*	65*
France.....	55,121*	21,405*	39*
Greece.....	13,092*	3,701*	28*
Iceland.....	10,300*	1*	<i>Negl.*</i>
Italy.....	30,123*	15,608*	52*
Luxembourg.....	259*	75*	29*
Netherlands.....	3,361* ^d	1,027*	31*
Norway.....	32,392*	854*	3*
Portugal.....	8,886*	4,130* ^e	46*
Turkey.....	77,698*	25,167*	32*
UK.....	24,402*	7,266* ^f	30*
West Germany.....	24,681*	8,503*	34*
Other Countries			
Argentina ^g	277,841*	30,000*	11*
India ^h	326,281*	161,062*	49*
Spain ⁱ	50,349*	20,730*	41*
COMMUNIST COUNTRIES			
Soviet Bloc			
USSR.....	2,227,200* ^j	235,800* ^k	11*
European Satellites			
Bulgaria.....	11,093*	4,531*	41*
Czechoslovakia.....	12,786*	5,144*	40*
East Germany.....	10,829*	4,783*	44*
Hungary.....	9,303*	5,625*	60*
Poland.....	31,173*	16,068*	52*
Rumania.....	23,750*	10,490*	44*
Far East			
Communist China.....	956,100*	106,672*	11*
North Korea.....	12,191*	1,984*	16*
North Vietnam.....	15,875*	1,905*	12*
Other Communist Countries			
Albania.....	2,875*	479*	17*
Cuba.....	11,452*	2,400*	21*
Mongolia.....	156,466*	415*	<i>Negl.*</i>
Yugoslavia.....	25,580*	8,382*	33*

* An asterisk indicates that the data are unclassified.

^a One hectare equals 2.471 acres. Data are for various years during the period 1957-62.

^b The total area of the country and, unless otherwise indicated, including bodies of inland water.

^c Arable land includes land planted to crops (with double-cropped areas being counted only once); land temporarily fallow; temporary meadows for mowing or pasture; garden land; land under fruit trees, vines, and fruit-bearing shrubs; and rubber plantations.

^d Land area only.

^e Total agricultural area.

^f Data refer to land belonging to agricultural holdings exceeding 0.405 hectare (1 acre).

^g Continental sector only.

^h Including data for the whole of Kashmir.

ⁱ Including data for the Balearic and Canary Islands.

^j Official Soviet data (22,402,200 square kilometers) include the White Sea (90,000 square kilometers) and the Azovskoye Sea (40,000 square kilometers), which are excluded by definition from the data shown.

^k Including only plowland and lands formerly cultivated but now idle.

SECRET

71

DAILY FOOD AVAILABILITY

SECRET

Table 56

Daily Availability of Food per Capita ^a
1961/62 ^b

	Calories per Day per Capita
	Amount
NATO COUNTRIES	
US ^c	3,200*
Belgium ^d ^e	2,910*
Canada.....	3,100*
Denmark.....	3,370*
France ^f	2,990*
Greece ^g	2,940*
Italy.....	2,790*
Netherlands.....	3,030*
Norway.....	2,910*
Portugal ^h	2,500*
Turkey ⁱ	2,830*
UK.....	3,250*
West Germany.....	2,920*
Other Countries	
India ^e	2,040*
Japan ^e	2,240*
COMMUNIST COUNTRIES	
USSR.....	3,200
Bulgaria.....	3,020
Czechoslovakia.....	3,020
East Germany.....	3,000
Hungary.....	2,820
Poland.....	3,200
Rumania.....	2,970
Communist China ⁱ	1,980
Albania.....	2,100
Yugoslavia ^g	3,070*
Cuba ^j	2,400*

* An asterisk indicates that the data are unclassified.

^a Because of the lack of information on the utilization of food by most countries, daily caloric availability of food should be considered as a rough approximation.

^b Unless otherwise indicated, data are for 1961/62.

^c Data are for the calendar year 1962.

^d Including data for Luxembourg.

^e Data are for 1960/61.

^f Data are for 1959/60.

^g Data are for the calendar year 1960.

^h Data are for the calendar year 1961.

ⁱ Data are for 1963/64.

^j Data are for the calendar year 1963.

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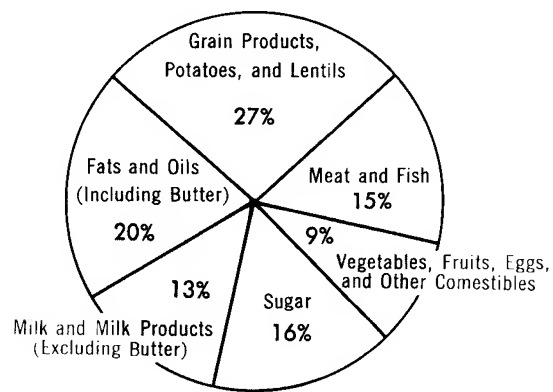
Tabular Graphic

AVERAGE DIETS FOR THE US AND THE USSR 1962

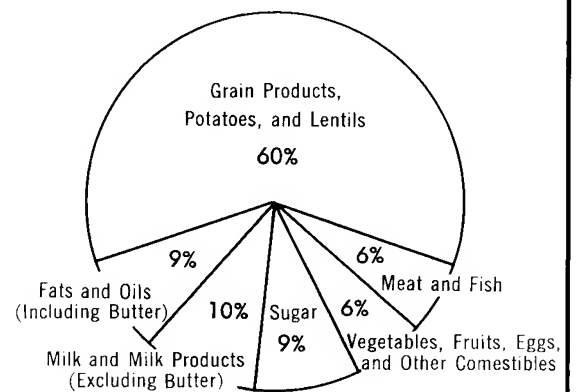
TABLE 57

	US		USSR	
	PERCENT	CALORIES PER DAY	PERCENT	CALORIES PER DAY
MEAT AND FISH	15	474	6	186
VEGETABLES, FRUIT, EGGS, AND OTHER COMESTIBLES	9	275	6	202
SUGAR	16	512	9	292
MILK AND MILK PRODUCTS (Excluding Butter)	13	410	10	298
FATS AND OILS (Including Butter)	20	649	9	295
GRAIN PRODUCTS, POTATOES, AND LENTILS	27	880	60	1,927
TOTAL	100	3,200	100	3,200

ESTIMATED CALORIES PER DAY 3,200



US



USSR

SECRET

AGRICULTURAL PRODUCTION AND
AVAILABILITY OF GRAIN

SECRET

Table 58

Agricultural Production and Availability of Grain in the USSR
1957-63

Net Agricultural Production						1957=100
1957	1958	1959	1960	1961	1962	1963
100*	112*	105*	110*	119*	116*	111*
Production and Availability of Grain						
Million Metric Tons						
Year	Production ^a	Net Exports	Total Availability ^b	Year-End Population ^c (Millions)	Availability per Capita ^b (Kilograms)	
1957.....	105*	7.0*	98*	205*	478*	
1958.....	125*	3.9*	121*	209*	579*	
1959.....	100*	6.2*	94*	212*	443*	
1960.....	100*	6.1*	94*	216*	435*	
1961.....	115*	6.8*	108*	220*	491*	
1962.....	115*	7.4*	108*	223*	484*	
1963.....	95*	N.A.	95*	226*	420* ^d	

* An asterisk indicates that the data are unclassified.

^a Including immature ears of corn converted to a mature grain equivalent.

^b Including nonfood as well as food use.

^c Year-end population is used because the food consumption year runs from July through June and because the production in the calendar year is consumed in the last half of the year within which it is produced and the first half of the following year.

^d Excluding trade.

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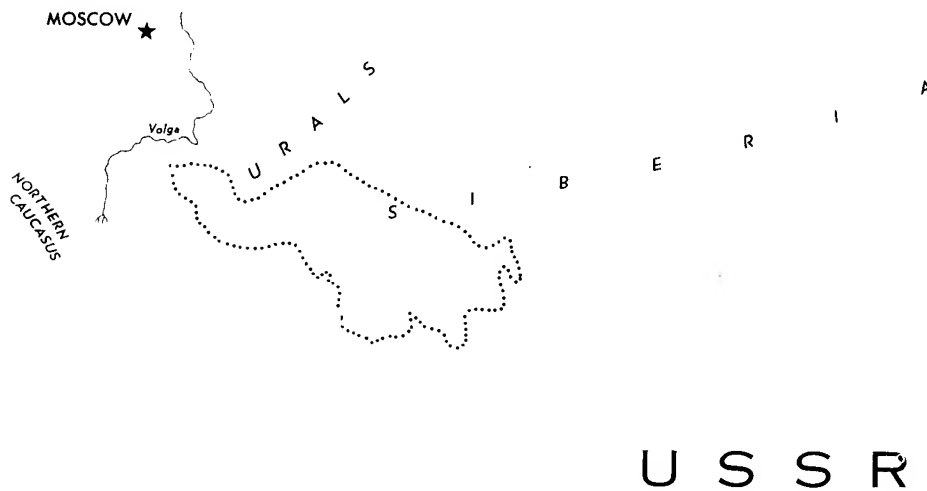
Tabular Graphic

AGRICULTURE IN NEW LANDS OF THE USSR*

1954-63

TABLE 59

	SOWN AREA** (MILLION HECTARES)	YIELD** (CENTNERS PER HECTARE)	PRODUCTION (MILLION METRIC TONS)	PERCENT OF TOTAL PRODUCTION IN THE USSR
1954	4.3	10.5	4.5	5
1955	18.5	4.3	8	7
1956	26	9.6	25	22
1957	26	5.0	13	12
1958	26	8.8	23	18
1959	23	7.0	16	16
1960	26	6.9	18	18
1961	26	5.8	15	13
1962	25	6.8	17	15
1963	25	4.0	10	10



* The estimated production for the "new lands" does not represent the estimated total production from the new lands' area.

** Estimates of this Office. Because most of the grain produced in the "new lands" is wheat, a centner per hectare is the equivalent of about 1.5 bushels per acre.

SECRET

PRODUCTION AND AVAILABILITY OF GRAIN SECRET

Table 60

Production and Availability of Grain in Communist China
1957-63

Year	Million Metric Tons			Year-End Popula- tion ^d (Millions)	Availability per Capita ^e (Kilograms)
	Production ^a	Net Imports and Exports ^b	Total Availability ^c		
1957.....	180	-0.4	180	649*	277
1958.....	200	-1.1	199	665*	299
1959.....	165	-2.0	163	679*	240
1960.....	160	-1.4	159	690*	230
1961.....	165	+5.2	170	701*	243
1962.....	180	+4.6	185	713*	259
1963.....	175 to 180	+5.2	180 to 185	727*	248 to 254

* An asterisk indicates that the data are unclassified.

^a Including tubers on a grain equivalent basis of 4 metric tons of tubers to 1 metric ton of grain.

^b The effect of 1 metric ton of grain imported for food is much greater on the food situation than the effect of an additional ton of domestic production, which is reduced approximately 15 percent for feed, seed, and waste. A minus sign indicates net exports; a plus sign indicates net imports.

^c Including nonfood as well as food use.

^d Year-end population is used because the food consumption year runs from July through June and because the production in a calendar year is consumed in the last half of the year within which it is produced and the first half of the following year.

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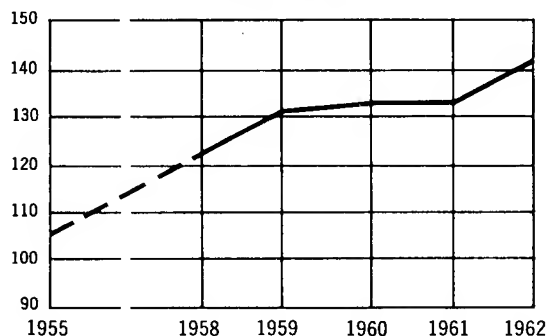
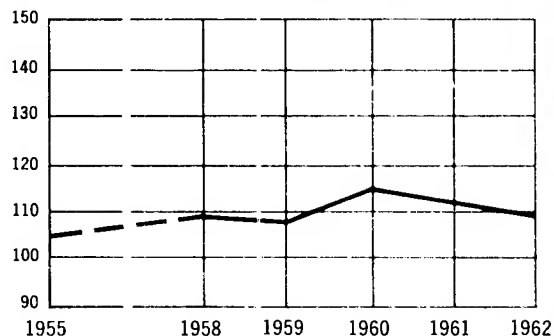
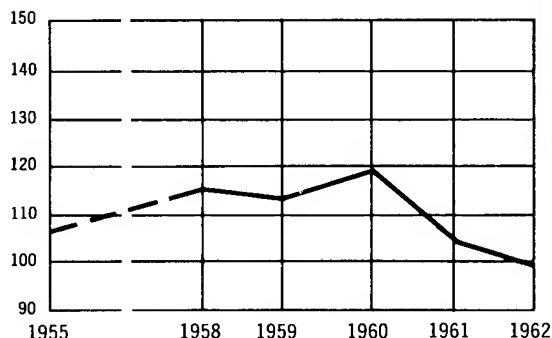
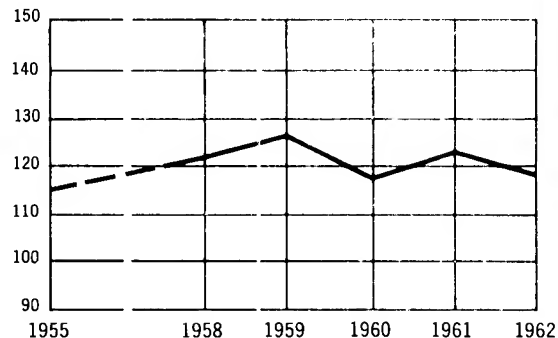
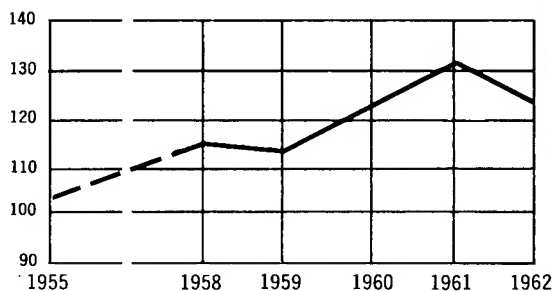
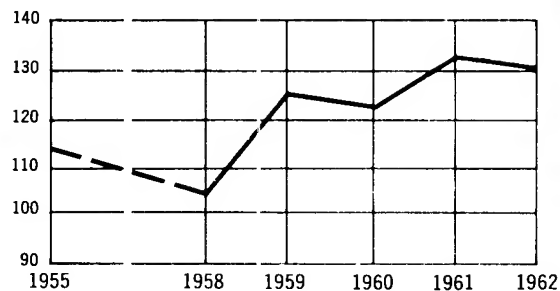
Tabular Graphic

INDEXES OF AGRICULTURAL PRODUCTION IN THE EUROPEAN SATELLITES* IN SELECTED YEARS, PREWAR AND 1955-62

TABLE 61

	AVERAGE 1952-56=100						
	PREWAR	1955	1958	1959	1960	1961	1962
BULGARIA	95	106	123	132	133	133	142
CZECHOSLOVAKIA	118	105	109	108	115	112	109
EAST GERMANY	110	107	116	114	119	105	98
HUNGARY	110	116	122	127	117	123	118
POLAND	117	103	116	114	123	131	123
RUMANIA	103	114	104	126	122	133	130
EUROPEAN SATELLITES	112	107	114	117	121	123	118

Average 1952-56=100

BULGARIA**CZECHOSLOVAKIA****EAST GERMANY****HUNGARY****POLAND****RUMANIA**

* Gross production of crops minus seed, waste, and feed (including imported grain) and livestock products, including changes in livestock numbers. FAO/OEEC Western European regional price weights (1952-56 average) were used.

SECRETGROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

TOTAL GRAIN

SECRET

Table 62

Production of Total Grain ^a
Selected Years, 1955-63, and 1965 Plan

Million Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	241*	273*	290*	259*	281*	298*		
US ^c	138*	173*	181*	164*	163*	176*		
TOTAL COMMUNIST COUNTRIES.....	338	380	323	341	356	331		
Soviet Bloc.....	149	165	144	159	158	138		
USSR ^d	107*	125	100	115	115	95	172 ^e	
European Satellites...	42.0	39.6	43.9	44.0	42.6	42.7		
Bulgaria.....	3.53*	3.45*	4.04*	3.79*	3.82*	3.73*		
Czechoslovakia....	5.10*	4.83*	5.74*	5.66*	5.69*	5.65*		
East Germany.....	5.40	5.64	5.60	4.80	5.30	4.90	7.63	
Hungary.....	6.62*	5.71*	6.88*	6.11*	6.19*	6.05*		
Poland ^f	12.7*	13.5*	13.1	14.3	13.0	13.3	15.6*	
Rumania.....	8.62	6.44	8.58	9.32	8.57	9.09	15 ^g	
Far East								
Communist China ^h	175	200	160	165	180	178 ⁱ		
North Korea.....	2.21*	2.88	2.68	2.94	3.14	N.A.		
North Vietnam ^j ...	3.71	4.77	4.43	4.93	4.82	4.28		
Other Communist Countries								
Albania.....	0.34*	0.29*	0.22*	0.28*	0.29	0.32		
Cuba ^k	0.39*	0.37*	0.37*	0.37*	0.44*	0.35*		
Yugoslavia.....	7.29*	7.39*	10.89	8.93*	9.51*	10.38*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium.....	1.70*	1.74*	Italy.....	14.5*	13.4*	Portugal.....	1.42*	1.51*
Canada.....	27.1*	32.6*	Luxembourg....	0.09*	0.05* ^k	Turkey.....	11.8*	14.1*
Denmark.....	3.51*	4.89*	Netherlands....	1.66*	1.65*	UK.....	8.40*	11.2*
France.....	18.3*	23.9*	Norway.....	0.36*	0.60*	West Germany....	11.4*	14.0*
Greece.....	2.12*	2.17*						

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, excluding potatoes and soybeans. Unless otherwise indicated, data for the NATO and the Communist countries include, where produced, barley, corn, oats, rice, rye, and wheat. Data for the Communist countries also include, unless otherwise indicated, miscellaneous grains such as buckwheat, millet, sorghum, and mixed grains.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries." Data for sorghum are included only for the US.

^c Data differ from that presented in the previous *Handbook* in which total grain included the grain equivalent of corn silage and forage, as well as grain corn. The series as presented herein includes corn harvested for grain only. Including sorghum, which amounted to 6.2 million metric tons in 1955 and 14.8 million metric tons in 1963.

^d Including pulses.

^e Midpoint of the range of planned production for 1965 of 164 million to 180 million metric tons.

^f Including barley, oats, rye, and wheat only.

^g Midpoint of the range of planned production for 1965 of 14 million to 16 million metric tons.

^h Including tubers on a grain equivalent basis of 4 metric tons of tubers to 1 metric ton of grain.

ⁱ Midpoint of the range of planned production for 1963 of 175 million to 180 million metric tons.

^j Including corn and rice only.

^k Oats only.

SECRET

BREADGRAINS

Table 63

Production of Breadgrains *
Selected Years, 1955-63, and 1965 Plan

						Million Metric Tons		
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	82.6*	93.5*	95.1*	81.2*	94.7*	94.3*		
US.....	26.2*	40.5*	37.8*	34.3*	30.8*	31.7*		
TOTAL COMMUNIST COUNTRIES.....	112	133	108	113	120	101		
Soviet Bloc.....	86.4	102	81.8	92.8	93.8	73.0		
USSR.....	64.0*	80.0	59.0	69.0	71.0	51.0		
European Satellites..	22.4	22.4	22.8	23.8	22.8	22.0		
Bulgaria.....	1.77	2.17	2.09	1.88	1.91	1.74		
Czechoslovakia....	2.44*	2.28*	2.40*	2.66*	2.56*	2.61*		
East Germany.....	3.14	3.34	3.30	2.53*	2.75	2.63		
Hungary.....	2.68*	1.86*	2.12*	2.23*	2.19*	1.74*		
Poland.....	9.14*	9.66*	9.36	10.4	9.27	9.40		
Rumania.....	3.22*	3.04*	3.55*	4.09*	4.13*	3.87*	5.2* ^{c d}	
Far East								
Communist China ^e ..	23.0	27.5	22.0	17.0	22.7	24.0		
North Korea ^e	0.10	0.07	0.03	0.05	0.04	N.A.		
Other Communist Countries								
Albania.....	0.13*	0.11*	0.07*	0.10*	0.13	0.07		
Yugoslavia.....	2.69*	2.69*	3.80*	3.36*	3.43*	4.11*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium.....	0.98*	0.87*	Greece.....	1.39*	1.41*	Portugal.....	0.66*	0.66*
Canada.....	14.50*	20.02*	Italy.....	9.63*	8.20*	Turkey.....	7.55*	8.74*
Denmark.....	0.44*	0.82*	Netherlands....	0.82*	0.84*	UK.....	2.66*	2.99*
France.....	10.81*	9.94*	Norway.....	0.03*	0.02*	West Germany...	6.86*	8.08*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to wheat and rye.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Excluding rye.

^d Midpoint of the range of planned production for 1965 of 5.0 million to 5.4 million metric tons.

^e Including data for Luxembourg.

SECRET

79

OTHER GRAINS

SECRET

Table 64

Production of Other Grains ^a
Selected Years, 1955-63

	Million Metric Tons					
	1955	1958	1960	1961	1962	1963
NATO COUNTRIES ^b	154*	176*	191*	174*	182*	199*
US ^c	110*	131*	141*	128*	130*	141*
TOTAL COMMUNIST COUNTRIES ^d	123	114	108	114	117	N.A.
Soviet Bloc.....	62.4	62.1	62.0	66.1	63.4	64.4
USSR ^e	43.0	45.0	41.0	46.0	43.7	43.7
European Satellites.....	19.4	17.1	21.0	20.1	19.6	20.7
Bulgaria.....	1.71	1.22	1.93	1.87	1.88	1.96
Czechoslovakia ^f	2.66*	2.55*	3.34*	3.00*	3.13*	3.04*
East Germany ^g	2.26	2.30	2.30	2.27	2.55	2.27
Hungary.....	3.91	3.78	4.71	3.84	3.96	4.28
Poland ^h	3.53*	3.88*	3.73	3.97	3.71	3.95
Rumania.....	5.36	3.37	4.98	5.20	4.42	5.20
Far East						
Communist China ⁱ	54.9	45.0	37.0	40.4	45.9	52.0
North Korea.....	0.87	1.30	1.14	1.36	1.34	N.A.
North Vietnam ^j	0.19	0.19	0.21	0.27	N.A.	N.A.
Other Communist Countries						
Albania.....	0.20*	0.18*	0.15*	0.18*	0.16	0.25
Cuba ^k	0.17*	0.15*	0.16*	0.16*	N.A.	N.A.
Yugoslavia.....	4.57*	4.68*	7.06*	5.55*	60.5*	6.25*

Other NATO Countries

	1955	1963		1955	1963		1955	1963
Belgium.....	0.76*	0.87*	Italy.....	4.02*	4.57*	Portugal.....	0.58*	0.68*
Canada.....	12.6*	12.6*	Luxembourg ^k	0.04*	0.05*	Turkey.....	4.20*	5.20*
Denmark.....	3.06*	4.07*	Netherlands.....	0.84*	0.81*	UK.....	5.74*	8.19*
France.....	7.40*	13.8*	Norway.....	0.32*	0.58*	West Germany.....	4.56*	5.88*
Greece.....	0.67*	0.68*						

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data include, where produced, barley, corn, and oats.^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Data differ from that presented in the previous *Handbook*, in which total grain included grain equivalent of corn silage and forage, as well as grain corn. The series as presented herein include corn harvested for grain only. Including sorghum, which amounted to 6.2 million metric tons in 1955 and 14.8 million metric tons in 1963.^d Unless otherwise indicated, including miscellaneous grains such as buckwheat, millet, and mixed grains, in addition to those covered in footnote a, above.^e Including pulse and ensiled immature ears of corn converted to a dry grain equivalent.^f Excluding miscellaneous grains.^g Excluding corn.^h Excluding corn and miscellaneous grains.ⁱ Including kaoliang, broad beans, and field peas.^j Corn only.^k Oats only.

SECRET

SECRET

RICE

Table 65

Production of Rice *
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	3,830*	3,260*	3,540*	3,690*	4,110*	4,390*	
US.....	2,536*	2,030*	2,476*	2,458*	2,924*	3,149*	
TOTAL COMMUNIST COUNTRIES.....	83,400	97,100	85,300	89,100	89,200	N.A.	
Soviet Bloc.....	370*	371*	313*	355*	365*	370	
USSR.....	246*	216*	187*	250*	270*	270	
European Satellites...	124*	155*	126*	105*	95*	100	
Bulgaria.....	49*	45*	32*	36*	39*	30	
Hungary.....	40*	73*	45*	38*	36*	36*	
Rumania.....	35*	37*	49*	31*	20*	34	
Far East							
Communist China.	78,000*	90,400	79,000	82,300	82,300	75,000	
North Korea.....	1,242	1,509	1,513	1,533	1,750	N.A.	3,000 °
North Vietnam....	3,523	4,577	4,212	4,659*	4,542	4,000	
Other Communist Countries							
Albania.....	10*	5*	5*	5*	5	8	
Cuba.....	215*	226*	205*	206*	248*	170*	
Yugoslavia.....	26*	22*	22*	20*	23*	22*	

Other NATO Countries

	1955	1963		1955	1963		1955	1963
France.....	81*	137*	Italy.....	880*	675*	Turkey.....	92*	180*
Greece.....	61*	82*	Portugal.....	183*	169*			

Other Countries

	1955	1958	1960	1961	1962	1963
Burma.....	6,532*	7,711*	7,575*	7,800*	8,200*	7,700*
India ^d	41,373*	46,303*	51,344*	52,263*	48,100*	52,000*
Indonesia.....	11,245*	12,269*	12,849*	13,772*	12,700*	N.A.*
Japan.....	15,403*	14,991*	16,074* ^d	15,524* ^d	16,261*	16,255*
Pakistan.....	10,992*	12,036*	16,068* ^d	16,132* ^d	14,962* ^d	N.A.*
Thailand.....	7,334*	7,050*	7,789*	8,246*	9,158*	8,242*
South Vietnam.....	2,817*	3,198*	5,000*	4,609*	5,200*	5,000*

* An asterisk indicates that the data are unclassified.

* Data refer to rough or paddy rice. Crop production statistics for the Northern Hemisphere relate generally to the harvests of the spring, summer, and autumn of the year stated, but for the more southerly regions of this hemisphere they relate to harvests continuing into the early part of the following year. For the Southern Hemisphere these data relate to crops generally harvested in the latter part of the year stated and the first half of the following year.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Plan data for 1967.

^d Estimated from planted acreage.

SECRET

81

POTATOES

SECRET

Table 66
Production of Potatoes
Selected Years, 1955-63, and 1965 Plan

Million Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^a	81.9*	79.7*	86.4*	80.7*	82.5*	86.4*		
US.....	11.53*	13.49*	13.07*	14.90*	13.54*	13.96*		
TOTAL COMMUNIST								
COUNTRIES.....	202	297	238	252	247	250		
Soviet Bloc.....	123	144	145	146	128	140		
USSR.....	71.75*	86.53*	84.37*	84.31*	69.68*	75.00	147*	
European Satellites..	51.0	58.0	60.8	61.2	58.2	65.4		
Bulgaria.....	0.36*	0.25*	0.48*	0.44*	0.36*	0.40*		
Czechoslovakia....	7.90*	6.59*	5.09*	5.33*	5.00*	6.37*		
East Germany.....	11.20	11.50	14.20	8.10	12.80	11.50	18 ^b	
Hungary.....	2.47*	2.60*	2.66*	1.63*	1.88*	2.40*		
Poland.....	27.02*	34.80*	35.96	43.42	36.08	42.60		
Rumania.....	2.09	2.22	2.41	2.30	2.08	2.16	4.75* ^c	
Far East								
Communist China ^d	75.60	148.40	88.00	101.20	116.40	106.00		
North Korea ^d	0.62	0.80	0.79	1.05	N.A.	N.A.		
North Vietnam ^e ...	0.54	0.52	0.49*	0.98*	N.A.	N.A.		
Other Communist								
Countries								
Albania.....	0.03*	0.02*	0.02*	0.03*	0.03	0.03		
Cuba.....	0.14*	0.11*	0.12*	0.13*	0.13*	0.11*		
Yugoslavia.....	2.53*	2.93*	3.66*	3.01*	2.94*	3.30*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium ^f ..	2.44*	1.63*	Greece.....	0.49*	0.63*	Portugal.....	1.24*	1.12*
Canada....	2.01*	2.20*	Italy.....	3.78*	4.77*	Turkey.....	1.12*	1.50*
Denmark..	1.61*	1.32*	Netherlands...	4.57*	4.25*	UK.....	7.14*	7.33*
France....	15.19*	17.49*	Norway.....	1.10*	1.37*	West Germany.	29.66*	28.87*

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^b Estimated production for 1965.

^c Midpoint of the range of planned production for 1965 of 4.5 million to 5.0 million metric tons.

^d Including sweet and Irish potatoes and other starchy tubers such as taro and cassava.

^e Sweet potatoes only.

^f Including data for Luxembourg.

SECRET

MEAT

Table 67

Production of Meat ^a
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	22,900*	22,800*	24,500*	25,300*	25,900*	26,900*		
US.....	12,200*	11,638*	12,795*	12,966*	13,136*	13,861*		
TOTAL COMMUNIST COUNTRIES.....	14,800	16,500	16,700	16,800	17,000	N.A.		
Soviet Bloc.....	8,500	10,000	10,600	10,900	11,700	12,300		
USSR ^c	5,690*	6,780*	7,380*	7,400*	8,140*	8,870*		
European Satellites..	2,810	3,220	3,230	3,540	3,520	3,470		
Bulgaria.....	155	226	174	204	218	196		
Czechoslovakia....	402	466	483	499	513	510		
East Germany.....	667	707	730	755	649	717		
Hungary.....	311	320	290	352	417	425		
Poland ^d	894	1,164	1,148	1,279	1,297	1,238	2,855* ^e	
Rumania.....	377	336	409	446	430	385		
Far East								
Communist China ^f ..	5,573	5,877	5,273	5,046	5,264	N.A.		
North Korea.....	N.A.	N.A.	65* ^g	82*	83*	N.A.	350* ^h	
Other Communist Countries								
Albania.....	14	14	14	14	14	14		
Cuba.....	212*	221*	207*	161*	N.A.	N.A.		
Yugoslavia.....	481*	367*	500*	487*	500*	N.A.		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium ⁱ	411*	489*	Greece.....	105*	178*	Portugal.....	169*	166* ^j
Canada.....	1,058*	1,155*	Italy.....	830*	1,329*	Turkey.....	274*	248*
Denmark.....	660*	856*	Netherlands.....	558*	756*	UK.....	1,602*	1,996*
France.....	2,470*	2,808*	Norway.....	123*	127*	West Germany..	2,396*	2,942*
Other Countries								
	1955	1963		1955	1963		1955	1963
Argentina.....	2,452*	2,790*	Brazil.....	1,458*	1,930*	New Zealand...	620*	800*
Australia.....	1,253*	1,650*	Mexico.....	526*	772*			

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to meat on the basis of carcass weight, bone-in, and include beef, veal, pork, mutton, lamb, goat, carabao, and horse meat where produced but exclude offal, lard, and rabbit and poultry meat.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Data have been revised and differ from the previous *Handbook*. Previous data were official Soviet statistics adjusted to agree with US definitions and were reduced, when necessary, to allow for overestimation of production data. Data as now presented have been adjusted only for the overestimation in the official statistics and are not necessarily comparable with US data. Also including slaughter fats and poultry.

^d Including edible offal.

^e Live-weight basis.

^f Including poultry.

^g Plan data.

^h Probably including rabbit.

ⁱ Including data for Luxembourg.

^j Data are for 1962 and are included in the NATO total for 1963.

SECRET

83

MILK

SECRET

Table 68

Production of Milk ^a
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	136,000*	144,000*	149,000*	153,000*	155,000*	156,000*	
US.....	55,850*	56,806*	55,702*	56,899*	57,162*	56,601*	
TOTAL COMMUNIST							
COUNTRIES.....	65,400*	83,400*	85,700*	86,900*	87,400	85,100	
Soviet Bloc.....	62,900*	80,400*	82,700*	84,000*	85,100	82,900	
USSR ^c	40,800*	54,600*	55,500*	56,300*	58,100*	56,300*	
European Satellites..	22,100*	25,800*	27,200*	27,700*	27,000	26,600	
Bulgaria.....	382*	594*	744*	814*	772*	700	
Czechoslovakia....	3,521*	3,764*	3,830*	3,945*	3,664*	3,544	
East Germany.....	4,962*	5,656*	5,730*	5,612*	5,216*	5,600	7,658
Hungary.....	1,525*	1,949*	1,955*	1,896*	1,833*	1,650	2,780*
Poland.....	9,903*	11,859*	12,488*	12,759*	12,860*	12,475*	15,708*
Rumania.....	1,830*	2,006*	2,433*	2,630*	2,700	2,600	
Other Communist							
Countries							
Albania.....	34	39	44	44	45	46	
Yugoslavia.....	1,701*	2,192*	2,283*	2,249*	2,220*	2,204*	
Cuba.....	735*	740*	742*	700*	N.A.	N.A.	

Other NATO Countries

	1955	1963		1955	1963		1955	1963
Belgium...	3,769*	3,993*	Greece.....	320*	547*	Norway.....	1,615*	1,690*
Canada....	7,846*	8,785*	Italy.....	8,142*	10,080*	Turkey.....	1,642*	2,372*
Denmark..	5,124*	5,090*	Luxembourg...	179*	188*	UK.....	10,811*	13,159*
France....	18,328*	25,535*	Netherlands...	5,725*	7,061*	West Germany..	16,907*	20,702*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to whole milk from cows.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Data have been revised and differ from the previous *Handbook*. Previous data were official Soviet statistics adjusted to agree with US definitions and were reduced, when necessary, to allow for overestimation of production data. Data as now presented have been adjusted only for the overestimation in the official statistics and the data are not necessarily comparable with US data.

SECRET

SUGAR

Table 69

Production of Sugar *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	9,460*	10,200*	11,900*	11,600*	10,500*	N.A.*		
US ^c	3,199*	3,247*	3,637*	3,871*	3,990*	4,415*		
TOTAL COMMUNIST								
COUNTRIES.....	11,800*	15,900*	17,800*	20,200*	17,200*	N.A.		
Soviet Bloc.....	6,410*	9,030*	10,800*	12,600*	11,600*	10,200		
USSR ^d	3,419*	5,433*	6,363*	8,376*	7,800*	6,219*	9,625* •	
European Satellites..	2,990*	3,600*	4,470*	4,270*	3,800*	4,000		
Bulgaria.....	68*	162*	186*	255*	153*	153*		
Czechoslovakia....	716*	930*	958*	910*	880*	924*		
East Germany.....	720*	810*	900*	620*	668*	756		
Hungary.....	276*	299*	487*	383*	398*	430*		
Poland.....	1,066*	1,190*	1,511*	1,639*	1,328*	1,424*	1,630*	
Rumania.....	141*	204*	425*	459*	372*	312*	496*	
Far East								
Communist China ^e ..	717*	900*	770*	550*	510*	N.A.		
North Vietnam....	6	N.A.	10*	16*	N.A.	N.A.		
Other Communist								
Countries								
Dania.....	8*	11*	15*	11*	11	13		
Cuba ^e	4,528*	5,784*	5,862*	6,767*	4,815*	3,820*		
Yugoslavia.....	127*	183*	289*	250*	246*	N.A.		
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Belgium.....	381*	346*	Greece.....	0*	26*	Turkey.....	277*	430*
Canada.....	135*	138*	Italy.....	1,171*	997*	UK.....	698*	810*
Denmark....	275*	205*	Netherlands...	416*	458*	West Germany...	1,298*	1,486*
France.....	1,595*	1,621*	Portugal ^{e f}	11*	12*			
Other Countries *								
	1955	1962		1955	1962		1955	1962
Australia....	1,156*	1,831*	Dominican					
Brazil.....	2,073*	3,238*	Republic....	637*	902*	Mexico.....	961*	1,531*
			India.....	1,756*	3,046*	Phillipines.....	1,281*	1,511*

* An asterisk indicates that the data are unclassified.

• Unless otherwise indicated, data refer to beet sugar. Data are given in terms of the raw value of centrifugal sugar. Refined sugar is equal to approximately 90 percent of raw sugar by weight. Centrifugal, as distinguished from noncentrifugal, sugar includes cane and beet sugar produced by the centrifugal process and is the principal type of sugar moving in international trade.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Including cane sugar.

^d Including the refining of raw cane imports.

^e Midpoint of the range of planned production of sugar from sugar beets for 1965 of 9.25 million to 10.0 million metric tons. Before 1960, almost all sugar was produced from sugar beets.

^f Data are for the Azores and Madeira only.

* Cane sugar only.

SECRET

85

FISH CATCH

SECRET

Table 70

Fish Catch *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	10,200*	9,880*	9,930*	10,400*	10,500*	N.A.*		
US.....	2,790.4*	2,708.6*	2,814.7*	2,931.9*	2,904.9*	N.A.*		
COMMUNIST COUNTRIES ^c								
Soviet Bloc.....	2,960*	3,220*	3,880*	4,080*	4,550*	5,130*		
USSR.....	2,737.1*	2,936.4*	3,541.2*	3,723.8*	4,166.7	4,700.0*	5,000* ^d	
European Satellites..	224*	280*	339*	360*	380*	431		
Bulgaria.....	4.5*	5.3*	7.9*	5.7*	5.1*	5.0*		
Czechoslovakia....	6.3*	8.1*	8.8*	9.9*	10.1*	10.0		
East Germany.....	69.0*	93.0*	114.4*	130.0*	149.9*	151.0		
Hungary.....	9.5*	13.0*	14.9*	19.3*	21.0*	21.0*		
Poland ^e	107.1*	126.7*	168.0*	169.3*	164.1*	210.0*	270*	
Rumania.....	27.5*	33.8*	25.0*	26.0*	30.0*	34.0*		
Far East								
Communist China..	2,518.0*	4,060.0*	N.A.	N.A.	N.A.	N.A.		
North Korea ^f	313.0*	501.0	465.0	595.0	N.A.	640.0	1,100 ^g	
North Vietnam....	96.0	151.3	166.7	163.3	184.8	N.A.		
Other Communist Countries								
Albania.....	2.6*	2.6*	2.6*	3.2*	3.2	3.2		
Cuba.....	12.8*	21.9*	31.2*	31.1*	35.9*	N.A.		
Yugoslavia.....	22.6*	31.4*	30.9*	37.3*	30.3*	N.A.		
Other NATO Countries								
	1955	1962	1955	1962		1955	1962	
Belgium....	80.0*	59.9*	Iceland.....	480.3*	832.6*	Portugal.....	424.7*	518.0*
Canada.....	965.0*	1,115.1*	Italy.....	218.0*	218.6*	Turkey.....	111.5*	82.3* ⁱ
Denmark ^h ..	425.3*	784.9*	Luxembourg...	0.3*	0.4* ⁱ	UK.....	1,100.4*	944.4*
France.....	575.0*	737.0*	Netherlands...	319.5*	321.9*	West Germany..	814.8*	632.7*
Greece.....	60.0*	N.A.*	Norway.....	1,813.4*	1,338.0*			
Other Countries								
	1955	1962	1955	1962		1955	1962	
India.....	839.0*	973.9*	Japan.....	4,907.6*	6,863.7*	Spain.....	770.3*	1,006.0*

* An asterisk indicates that the data are unclassified.

^a Data refer to all species, including seaweed, crustaceans, and mollusks but, unless otherwise indicated, not aquatic mammals. Data are in terms of live weight in NATO and other Free World countries and in terms of landed weight in the Communist countries.^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Including aquatic mammals.^d Revised plan for 1965. The original plan was for 4.6 million metric tons.^e Sea fish catch.^f Including marine products.^g Midpoint of the range of planned fish catch for 1967 of 1 million to 1.2 million metric tons.^h Excluding data for the Faroe Islands and Greenland.ⁱ Data are for 1961 and are included in the NATO total for 1962.

SECRET

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CATTLE

Table 71

Number of Cattle ^a
Selected Years, 1955-64

Million Head

	1955	1958	1960	1961	1962	1963	1964	
NATO COUNTRIES ^b	178*	176*	185*	188*	192*	195*	197*	
US.....	96.59*	91.35*	96.42*	97.53*	100.00*	103.74*	106.45*	
COMMUNIST COUNTRIES								
Soviet Bloc.....	80.8*	90.7*	99.3*	102*	109	114*	N.A.	
USSR.....	56.67*	66.77*	74.16*	75.78*	82.08*	86.99*	85.30*	
European Satellites..	24.1*	23.9*	25.2*	26.2*	26.9	27.0*	N.A.	
Bulgaria.....	1.61*	1.44*	1.28*	1.45*	1.58*	1.58*	1.54*	
Czechoslovakia....	4.04*	4.09*	4.30*	4.39*	4.52*	4.51*	4.48*	
East Germany ^c ...	3.79*	3.74*	4.46*	4.68* ^d	4.55* ^e	4.51* ^e	4.61* ^e	
Hungary ^f	2.13*	1.94*	1.97*	1.96*	1.99*	1.91*	N.A.	
Poland ^g	7.91*	8.21*	8.70*	9.17*	9.59*	9.84*	N.A.	
Rumania.....	4.63*	4.47*	4.45*	4.53*	4.71	4.70*	4.60	
Far East								
Communist China ^h	66.00* ⁱ	63.60	N.A.	N.A.	N.A.	N.A.	N.A.	
North Korea.....	N.A.	0.67*	0.68*	0.67*	0.68*	0.68*	N.A.	
North Vietnam ^h ..	N.A.	2.14	2.40	2.33	2.23*	2.27*	2.30*	
Other Communist Countries								
Albania ^h	0.42*	0.41*	0.43*	0.43*	0.42	0.42	0.42	
Cuba.....	4.45*	5.70*	5.76*	5.02*	5.77*	6.00*	N.A.	
Yugoslavia ^h	5.29*	4.92*	5.35*	5.76*	5.88*	5.36*	N.A.	
Other NATO Countries								
	1955	1964		1955	1964		1955	1964
Belgium ^j	2.38*	2.47*	Greece.....	0.99*	1.22*	Portugal.....	0.90*	1.12* ^m
Canada ^k	9.47*	11.55*	Italy.....	9.03*	9.00*	Turkey.....	11.94*	13.15*
Denmark ^l ...	3.09*	3.20*	Netherlands..	3.00*	3.42*	UK.....	10.67*	11.46*
France.....	17.32*	20.25*	Norway.....	1.17*	1.07*	West Germany..	11.52*	13.01* ⁿ
Other Countries								
	1955	1964		1955	1964		1955	1964
Argentina....	44.00*	41.50*	Brazil.....	61.42*	81.12*	World Total..	912.40*	1,086.50*
Australia....	15.84*	19.10*						

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to the inventory at the beginning of the calendar year.

^b Unless otherwise indicated, NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Unless otherwise indicated, data are as of 3 December of the previous year.

^d Data are as of 28 December of the previous year.

^e Data are as of 30 November of the previous year.

^f Data are as of 1 March.

^g Data are as of 30 June.

^h Including buffaloes.

ⁱ Data are as of midyear.

^j Including data for Luxembourg.

^k Excluding data for Newfoundland.

^l Including data for the Faroe Islands and Greenland.

^m Data are for 1963 and are included in the NATO total for 1964.

ⁿ Including data for the Saar.

SECRET

87

HOGS

SECRET

Table 72

Number of Hogs *
Selected Years, 1955-64

Million Head

	1955	1958	1960	1961	1962	1963	1964
NATO COUNTRIES ^b	98.8*	103*	113*	110*	115*	117*	115*
US.....	50.47*	51.58*	59.08*	55.51*	57.00*	58.88*	56.01*
COMMUNIST COUNTRIES							
Soviet Bloc.....	66.5*	80.6*	91.9*	99.2*	108*	108*	N.A.
USSR.....	30.92*	44.34*	53.37*	58.67*	66.70*	69.96*	40.70*
European Satellites..	35.5*	36.2*	38.5*	40.5*	41.8*	37.7*	N.A.
Bulgaria.....	1.32*	1.99*	2.27*	2.55*	2.33*	2.07*	1.88*
Czechoslovakia....	4.77*	5.44*	5.69*	5.96*	5.90*	5.90*	5.84*
East Germany ^c	8.37*	8.25*	8.28*	8.32* ^d	8.86* ^e	8.04* ^e	9.29* ^e
Hungary ^f	5.82*	5.34*	5.36*	5.92*	6.41*	5.43*	N.A.
Poland ^g	10.89*	11.96*	12.62*	13.43*	13.62*	11.65*	N.A.
Rumania.....	4.37*	3.25*	4.30*	4.30*	4.66*	4.60*	4.40
Far East							
Communist China ^h ..	87.92*	139.00	N.A.	N.A.	N.A.	N.A.	N.A.
North Korea.....	0.70*	1.44*	1.12*	1.39*	1.50*	N.A.	N.A.
North Vietnam....	N.A.	2.95	3.63	3.75	3.74*	4.24*	4.01*
Other Communist Countries							
Albania.....	0.08*	0.10*	0.12*	0.13*	0.13*	0.13	0.13
Cuba.....	1.36*	1.75*	1.72*	1.20*	N.A.	N.A.	N.A.
Yugoslavia.....	4.78*	4.23*	6.21*	5.82*	5.16*	5.01*	N.A.

Other NATO Countries

	1955	1964		1955	1964		1955	1964
Belgium ⁱ	1.45*	1.52*	Greece.....	0.62*	0.63*	Portugal.....	1.40*	1.80*
Canada.....	5.42*	5.35*	Italy.....	3.75*	5.20*	Turkey.....	0.11* ^j	0.12*
Denmark....	4.81*	7.44* ^k	Netherlands..	2.33*	3.16* ^k	UK.....	5.84*	7.48*
France.....	7.57*	9.01*	Norway.....	0.46*	0.45*	West Germany..	14.52*	16.64* ^m

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to the inventory at the beginning of the calendar year.^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Unless otherwise indicated, data are as of 3 December of the previous year.^d Data are as of 28 December of the previous year.^e Data are as of 30 November of the previous year.^f Data are as of 1 March.^g Data are as of 30 June.^h The number of hogs that can be accounted for varies from 72 to 85 percent of the official number for 1955. Data refer to the number of hogs for midyear for 1955 and for the end of the year for 1958.ⁱ Including data for Luxembourg.^j Including data for the Faroe Islands.^k Data are for 1963 and are included in the NATO total for 1964.^l Data are an average for 1951-55 and are included in the NATO total for 1955.^m Including data for the Saar.

SECRET

GINNED COTTON

Table 73

Production of Ginned Cotton
Selected Years, 1955-63, and 1965 Plan

						Thousand Metric Tons		
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES *	3,410*	2,760*	3,340*	3,430*	3,570*	3,730*		
US.....	3,205.1*	2,506.4*	3,107.3*	3,117.3*	3,236.8*	3,385.1*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	1,320*	1,470*	1,450*	1,510*	1,450*	1,750		
USSR.....	1,293.7*	1,450.0*	1,430.0*	1,500.0*	1,430.0*	1,730.0*	1,965* ^b	
European Satellites..	26.9*	17.0*	21.5*	7.9*	16.1*	16.0		
Bulgaria.....	20.2*	15.4*	21.1*	7.9*	16.1*	16.0		
Rumania.....	6.7*	1.6*	0.4*	Negl.*	Negl.*	Negl.*		
Far East								
Communist China..	1,518.5	1,760.0*	1,250.0	980.0	750.0	800.0		
North Korea.....	N.A.	6.0*	1.3	10.0 ^c	N.A.	N.A.		
North Vietnam....	0.9	1.8	1.5*	2.0*	1.9	N.A.		
Other Communist Countries								
Albania.....	4.1*	5.7*	5.4*	6.1*	6.0*	7.9		
Yugoslavia.....	3.0*	2.2*	2.4*	2.0*	2.0*	2.2*		
Cuba.....	0*	0*	5.0*	5.0*	N.A.	N.A.		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Greece.....	60.7*	104.1*	Italy.....	13.7*	4.6*	Turkey....	130.6*	235.1*
Other Countries								
	1955	1963		1955	1963		1955	1963
Argentina..	122.6*	130.6*	Egypt.....	334.2*	439.1*	Mexico.....	489.9*	435.4*
Brazil.....	370.1*	479.0*	India.....	870.9*	1,023.3*	Pakistan....	309.2*	370.1*

* An asterisk indicates that the data are unclassified.

* NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries." The stated year refers to the crop year beginning 1 August. The conversion factor for Free World data is as follows: 1 bale of cotton equals 480 pounds (net weight).

^b Midpoint of the range of planned production for 1965 of 1.90 million to 2.03 million metric tons.

^c Plan data.

SECRET

89

WOOL

SECRET

Table 74

Production of Wool*
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	295*	299* ^c	327* ^c	329* ^c	316* ^c	310* ^c	
US.....	138.3*	132.9*	146.3*	145.1*	135.8*	131.5*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	316	385	427	440	444	446	
USSR.....	255.8*	321.8*	356.8*	366.3*	371.4*	374.0*	548*
European Satellites...	60.6	63.1	69.9	74.0	72.3	72.4	
Bulgaria.....	14.4*	16.5*	21.0*	23.1*	22.8*	23.0*	
Czechoslovakia....	2.9	2.7	2.2	1.9	1.8	1.6	
East Germany.....	7.1*	8.0*	7.7*	7.9*	7.1*	7.4	
Hungary.....	5.7*	7.3*	8.2*	9.3*	9.4*	10.0*	
Poland.....	9.8*	9.0*	9.0*	8.8*	8.2*	7.6	
Rumania.....	20.7*	19.6*	21.8*	23.0*	23.0	22.8	37.0*
Far East							
Communist China..	45.0	54.2	56.5	55.1	N.A.	N.A.	
Other Communist Countries							
Albania.....	2.6	2.3	2.2	2.4	2.4	2.4	
Yugoslavia.....	16.2*	14.1*	13.6*	13.7*	12.0*	10.4*	

Other NATO Countries

	1955	1963		1955	1963		1955	1963
Canada.....	3.6*	3.2*	Netherlands..	1.6*	N.A.*	Turkey.....	36.7*	42.0*
France.....	25.5*	28.0*	Norway.....	3.6*	3.6*	UK.....	45.2*	60.3*
Greece.....	10.7*	11.7*	Portugal.....	10.3*	11.5*	West Germany..	5.3*	4.8*
Italy.....	14.0*	13.2*						

Other Countries

	1955	1963		1955	1963		1955	1963
Argentina.....	161.9*	211.6*	New Zealand..	206.4*	285.8*	Uruguay.....	78.0*	86.2*
Australia.....	639.6*	788.3*	South Africa ^d .	133.4*	147.4*			

* An asterisk indicates that the data are unclassified.

^a Data refer to production of raw wool (grease basis) from sheep, including both shorn and pulled wool together with the wool element of "wooled sheepskins."

^b Unless otherwise indicated, NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^o Excluding data for the Netherlands. (See footnote b, above.)

^d Including Basutoland and South-West Africa.

SECRET

GRAIN COMBINES

Table 75

Production of Grain Combines • in the UK, the US, and Selected Communist Countries
Selected Years, 1955-63, and 1965 Plan

	1955	1958	1960	1961	1962	1963	Units 1965 Plan
UK ^b	6,209*	6,553*	3,213*	2,781*	2,845*	4,674*	
US.....	63,739*	47,137*	30,165*	22,916*	24,977*	34,076*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	51,200*	74,200*	69,300*	88,000*	91,100*	90,100*	
USSR.....	48,000*	65,000*	59,000*	76,300*	79,800*	82,900*	83,000*
European Satellites..	3,190*	9,240*	10,300*	11,700*	11,300*	7,220*	
Bulgaria.....	300*	1,600*	0* ^c	0* ^c	0* ^c	0* ^c	
Czechoslovakia....	5*	0* ^d	0* ^d	0* ^d	0* ^d	0* ^d	
East Germany.....	1,053*	475*	1,972*	2,459*	2,352*	1,800*	
Hungary.....	1,535*	1,338*	2,266*	2,825*	2,553*	608*	
Poland.....	300*	23*	564*	307*	562*	810*	
Rumania.....	0*	5,801*	5,500*	6,129*	5,810*	4,000*	
Far East							
Communist China..	3*	545*	N.A.	N.A.	N.A.	N.A.	

* An asterisk indicates that the data are unclassified.

• Tractor-drawn and self-propelled.

^b Deliveries.

^c Production ceased in 1959, and there has been no indication that production is to be resumed.

^d Production ceased in 1957, and there has been no indication that production is to be resumed.

SECRET

91

TRACTORS

SECRET

Table 76

Production of Tractors ^a
Selected Years, 1955-63, and 1965 Plan

Thousand Units								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	751*	639*	582*	616*	628*	660*		
US.....	377.1*	258.2*	178.5*	195.4*	209.0*	224.9*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	200*	261*	307*	337*	371*	402*		
USSR.....	163.4*	219.7*	238.5*	263.6*	287.0*	325.3*		
European Satellites..	36.6*	41.8*	69.0*	73.6*	83.8*	76.6*		
Bulgaria.....	0*	0*	0* ^c	0.4* ^d	0.5*	0.6*	6.2*	
Czechoslovakia....	12.6*	24.6*	32.5*	27.8*	32.4*	28.4*	43.1*	
East Germany.....	7.8*	4.3*	9.1*	12.4*	14.2*	14.2* ^e		
Hungary.....	4.7*	1.5*	2.6*	2.5*	2.6*	3.1*	4.5*	
Poland.....	8.1*	4.4*	7.7*	10.6*	12.6*	17.0*		
Rumania.....	3.5*	7.0*	17.1*	20.0*	21.5*	13.3*	25.0*	
Far East								
Communist China..	0*	1.0* ^f	N.A.	N.A.	N.A.	N.A.		
North Korea.....	0*	Negl.*	3.0*	4.0*	2.5*	3.0*	10.0*	
Other Communist Countries								
Yugoslavia.....	1.1*	5.2*	7.3*	4.9*	5.4*	N.A.		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
France.....	64.8*	67.3*	UK.....	135.2*	229.9*	West Germany....	149.4*	84.6* ^g
Italy.....	24.3*	53.8*						

* An asterisk indicates that the data are unclassified.

^a In terms of physical units.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO countries."

^c Production began in 1960 but was limited to a test series.

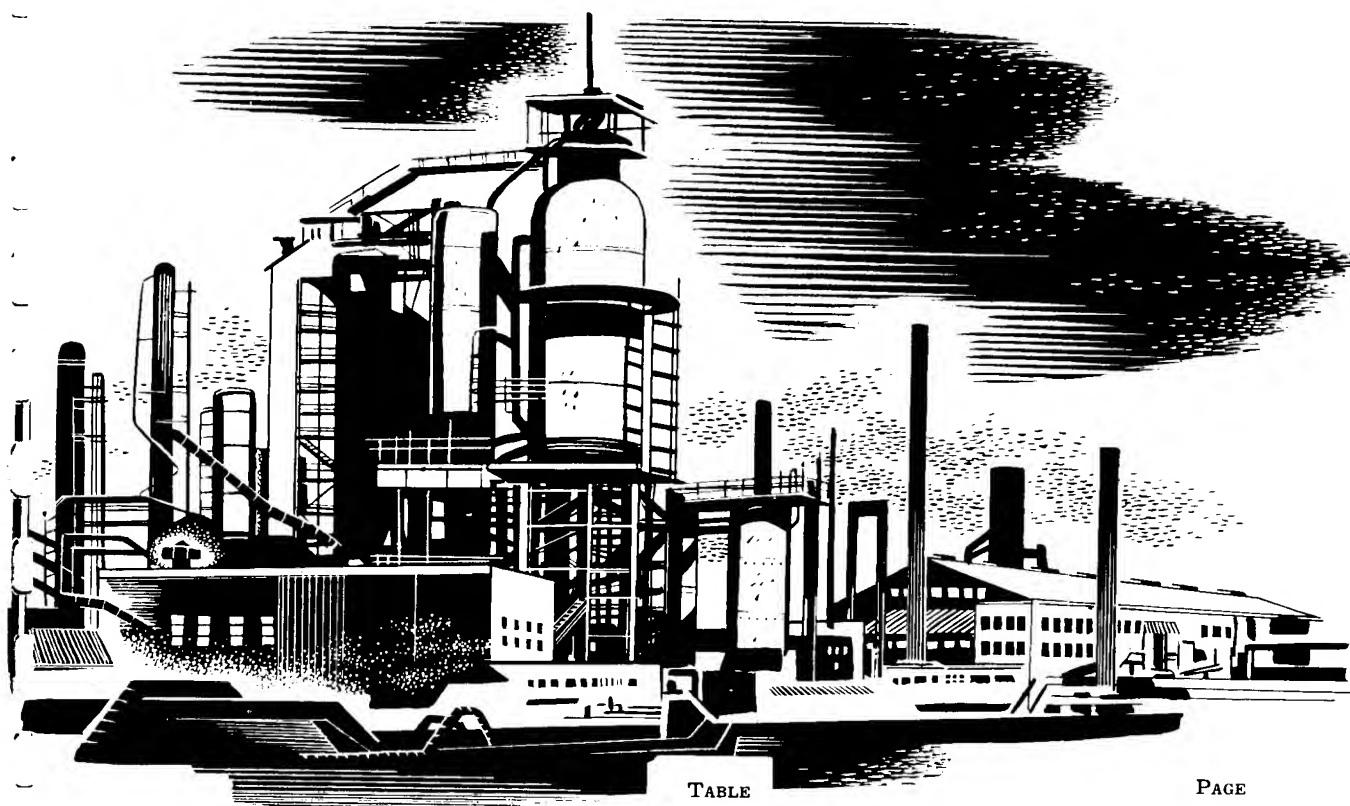
^d Plan data.

^e No official data on production in 1963 has been released, but a total of 14,080 tractors was delivered to East German agriculture in 1963.

^f Production began in 1958.

^g Including data for the Saar.

CHEMICALS and RUBBER



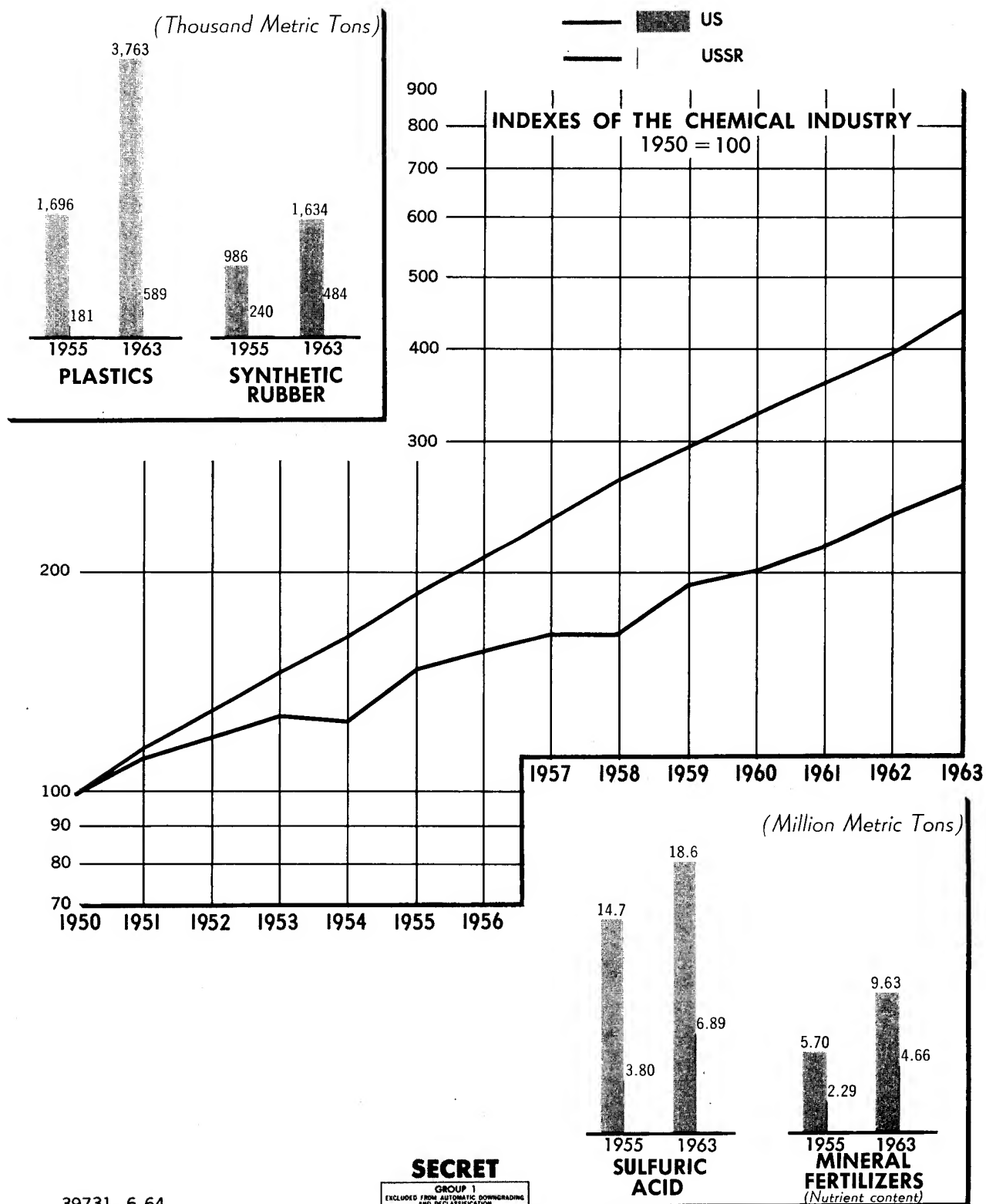
Graphic 5 COMPARATIVE DATA ON THE CHEMICAL
INDUSTRY FOR THE US AND THE USSR
(Preceding page 93)

TABLE	PAGE
77. SULFURIC ACID	93
78. SYNTHETIC AMMONIA	94
79. SODA ASH	95
80. CAUSTIC SODA	96
81. REFINED BENZOL	97
82. MINERAL FERTILIZERS	
NUTRIENT CONTENT	98
83. MINERAL FERTILIZERS	
GROSS WEIGHT	99
84. PLASTICS	99
85. RUBBER TIRES	100
86. SYNTHETIC RUBBER	101
87. NATURAL RUBBER	101
88. CHEMICAL EQUIPMENT	102

SECRET

Graphic 5

COMPARATIVE DATA ON THE CHEMICAL INDUSTRY FOR THE US AND THE USSR 1950-63



39731 6-64

SECRET

SULFURIC ACID

Table 77

Production of Sulfuric Acid •
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	25,900*	27,400*	30,900*	31,000*	32,600*	N.A.*		
US ^c	14,746*	14,470*	16,223*	16,191*	17,555*	18,614*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	5,480*	6,840*	7,890*	8,570*	9,280*	10,500*		
USSR.....	3,798*	4,803*	5,398*	5,718*	6,132*	6,887*	9,000* ^d	
European Satellites..	1,680*	2,040*	2,500*	2,850*	3,150*	3,650*		
Bulgaria.....	19*	64*	123*	192*	247*	269*	286*	
Czechoslovakia....	383*	463*	553*	599*	643*	725*	1,000*	
East Germany.....	592*	650*	730*	819*	861*	1,162*	1,231*	
Hungary ^e	144*	148*	178*	200*	224*	267* ^f	400* ^f	
Poland.....	450*	573*	685*	794*	852*	888*	1,325*	
Rumania.....	92*	144*	226*	248*	326*	343*	750*	
Far East								
Communist China..	375*	740*	1,350*	N.A.	1,100	N.A.		
North Korea.....	28*	234*	255*	273*	316*	321*		
North Vietnam....	0*	0*	0*	Negl.*	14	30		
Other Communist Countries								
Albania.....	0*	0*	0*	0*	0*	0*	70*	
Cuba.....	N.A.	32	44	93	110	150		
Yugoslavia.....	73*	125*	130*	255*	286*	391*		
Other NATO Countries								
	1955	1962	1955	1962		1955	1962	
Belgium.....	1,143*	1,232*	Greece.....	119*	97*	Portugal.....	228*	341*
Canada.....	862*	1,559*	Italy.....	1,943*	2,561*	Turkey.....	18*	20*
Denmark.....	172*	200* ^g	Netherlands....	690*	818*	UK.....	2,131*	2,775*
France.....	1,473*	2,214*	Norway.....	78*	85*	West Germany..	2,279*	3,101*

* An asterisk indicates that the data are unclassified.

^a Data refer to production expressed in terms of pure (monohydrate) sulfuric acid (100 percent H₂SO₄).^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Data include appreciable amounts of sulfuric acid produced in government-owned privately operated plants.^d Revised plan for 1965. The original plan was for 11 million metric tons.^e Unless otherwise indicated, including oleum.^f Excluding oleum.^g Data are for 1960 and are included in the NATO totals for 1961-62.

SECRET

93

SYNTHETIC AMMONIA

SECRET

Table 78

Production of Synthetic Ammonia *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons of Nitrogen								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	4,650*	6,000*	7,350*	7,800*	8,430*	N.A.*		
US ^c	2,363*	2,894*	3,595*	3,885*	4,335*	4,959*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	1,200	1,710	2,180	2,410	2,770	2,390		
USSR.....	619	905	1,184	1,357	1,629	2,023	3,175 ^d	
European Satellites..	576	802	1,000	1,050	1,140	1,260		
Bulgaria.....	41*	58*	111*	118*	127*	135*		
Czechoslovakia....	41	94	124	126	132	131		
East Germany.....	335*	365*	392*	396*	404*	422*		
Hungary.....	18*	42*	67*	79*	84*	92		
Poland.....	137*	232*	284*	303*	341*	372*	560	
Rumania.....	4	11	23	30	57	110		
Far East								
Communist China..	69	195	300	N.A.	370	N.A.		
North Korea.....	6	102	111	115	136	136		
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Belgium.....	209*	281*	Netherlands....	320*	410*	Portugal.....	N.A.*	41* ^e
France.....	433*	925*	Norway.....	174*	293* ^e	West Germany....	806*	1,332*
Italy.....	349*	815*						

* An asterisk indicates that the data are unclassified.

^a Data refer to synthetic ammonia as stated in terms of nitrogen content. To convert to actual production of synthetic ammonia, multiply by 1.2158.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Synthetic anhydrous (commercial grade). Data cover only that part of production which is sold—that is, quantities used for further processes in the producer works may be excluded. The quantities involved are very large.

^d Estimated plan for 1965.

^e Data are for 1961 and are included in the NATO total for 1962.

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SODA ASH

Table 79

Production of Soda Ash ^a
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	6,840*	6,280*	7,020*	6,940*	7,120*	N.A.*		
US ^c	4,452*	3,923*	4,135*	4,097*	4,179*	4,247*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	2,320*	2,890*	3,380*	3,680*	4,030*	4,310*		
USSR ^d	1,437*	1,692*	1,887*	2,115*	2,332*	2,544*	3,500*	
European Satellites..	887*	1,200*	1,500*	1,560*	1,700*	1,770*		
Bulgaria.....	70*	99*	128*	129*	175*	198*	308*	
Czechoslovakia....	94*	89*	74*	76*	62*	62*	105	
East Germany.....	458*	553*	594*	599*	646*	650*		
Poland ^e	215*	372*	522*	525*	529*	532*	725*	
Rumania.....	50*	82*	180*	235*	285*	327*		
Far East								
Communist China..	405*	640*	800*	N.A.	N.A.	N.A.		
North Korea.....	0*	14*	16*	24	26	28	113* ^f	
Other Communist Countries								
Yugoslavia.....	39*	77*	89*	90*	96*	91*		
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Belgium.....	174*	219*	Netherlands....	N.A.*	128*	Portugal.....	19*	36* ^g
France.....	724*	925*	Norway.....	13*	21* ^h	West Germany..	983*	1,012*
Italy.....	472*	604*						

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to the total production of soda ash (sodium carbonate-Na₂CO₃), excluding, as far as possible, natural sodium carbonate and sodium bicarbonate but including tonnage not commercialized but used on the spot for processing. Data on production for the USSR and Communist China include natural sodium carbonate.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Excluding production of electrolytic soda ash and natural soda ash.

^d 95 percent basis.

^e Including heavy soda.

^f Plan data for 1967.

^g Data are for 1961 and are included in the NATO total for 1962.

SECRET

95

CAUSTIC SODA

SECRET

Table 80

Production of Caustic Soda *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	5,150*	5,460*	6,770*	6,980*	7,590*	N.A.*		
US.....	3,552*	3,623*	4,510*	4,443*	4,955*	5,170*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	1,040*	1,320*	1,480*	1,710*	1,840*	1,960*		
USSR ^c	563*	709*	765*	897*	961*	1,049*	1,420* ^d	
European Satellites..	474*	606*	716*	812*	883*	915*		
Bulgaria ^e	2*	14*	17*	18*	18*	21*	37*	
Czechoslovakia....	82*	93*	115*	133*	142*	142*	185	
East Germany.....	257*	296*	327*	335*	355*	355*		
Hungary ^e	12*	17*	17*	19*	24*	39*		
Poland.....	98*	145*	166*	178*	188*	192*	273*	
Rumania.....	23*	41*	74*	129*	156*	166*	180*	
Far East								
Communist China..	137*	270*	450	N.A.	340	N.A.		
North Korea.....	3*	14*	24*	26*	32*	43*	100* ^f	
Other Communist Countries								
Albania.....	0*	0*	0*	0*	negl*	negl*		
Cuba.....	2	2	2	1	1	1		
Yugoslavia ^e	31*	42*	48*	49*	54*	69*		
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Belgium.....	42*	49*	Greece.....	1*	2*	Portugal ^e	12*	23* ^g
Canada.....	205*	390*	Italy.....	249*	493*	Turkey.....	1*	1*
Denmark....	2*	N.A.*	Netherlands....	60*	130*	West Germany...	556*	901*
France.....	435*	588*	Norway.....	35*	57* ^h			

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to 100 percent caustic soda (NaOH) and include tonnage not commercialized but used on the spot for processing.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c 92 percent basis.

^d Estimated plan for 1965.

^e 96 to 98 percent basis.

^f Plan data for 1967.

^g Data are for 1961 and are included in the NATO total for 1962.

SECRET

REFINED BENZOL

Table 81

Production of Refined Benzol in the US and the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
US.....	1,020.9*	953.5*	1,518.5*	1,810.8*	1,814.2*	2,169.1*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	490	558	700	783	896	1,000	
USSR.....	347.0	401.0	520.0	593.0	676.0	771.0	1,000 *
European Satellites..	142	157	180	190	220	230	
Bulgaria.....	0	0	0	0	0	0	6*
Czechoslovakia....	52.5	55.3	63.4	64.0	66.7	69.8	
East Germany.....	11.9	11.4	11.9	12.0	12.0	12.0	56*
Hungary.....	0.4*	1.4*	3.0*	6.0*	5.1*	5.1	
Poland.....	77.5	87.4	93.0	97.7	103.0	109.0	
Rumania.....	0.1*	1.7*	8.3*	10.3*	33.6*	34.0	
Far East							
Communist China..	36.0	50.0	N.A.	N.A.	N.A.	N.A.	

* An asterisk indicates that the data are unclassified.

▪ Estimated plan for 1965.

SECRET

97

MINERAL FERTILIZERS, NUTRIENT CONTENT SECRET

Table 82

Production of Mineral Fertilizers, * Nutrient Content
Selected Years, 1955-63, and 1965 PlanThousand Metric Tons ^b

	1955	1958	1960	1961	1962	1963	1965 Plan ^c
NATO COUNTRIES ^d	14,000*	15,900*	18,100*	18,700*	20,600*	N.A.*	
US.....	5,704*	6,235*	7,402*	7,410*	9,026* ^e	9,629* ^e	
COMMUNIST COUNTRIES							
Soviet Bloc.....	4,670*	5,730*	6,430*	6,890*	7,610*	8,450*	
USSR.....	2,294*	2,946*	3,287*	3,610*	4,079*	4,661*	7,589*
European Satellites..	2,380*	2,790*	3,140*	3,280*	3,530*	3,790*	
Bulgaria.....	31*	56*	124*	143*	164*	172*	413*
Czechoslovakia....	159*	225*	287*	314*	334*	357*	585*
East Germany.....	1,848*	2,026*	2,080*	2,092*	2,179*	2,308*	2,798*
Hungary.....	41*	69*	102*	124*	146*	168*	275*
Poland.....	286*	382*	477*	517*	573*	601*	889*
Rumania.....	11*	29*	71*	86*	131*	185*	500*
Far East							
Communist China..	85	266	490	280	410	570	
North Korea.....	17	94	133	157	171	184	
North Vietnam....	0*	0*	0*	0*	7*	15	
Other Communist Countries							
Albania.....	0*	0*	0*	0*	0*	0*	54*
Cuba.....	N.A.	7	14	6	12	12	
Yugoslavia.....	34*	65*	59*	90*	114*	226*	400*

Other NATO Countries

	1955	1962		1955	1962		1955	1962
Belgium...	523*	594*	Iceland.....	6*	7*	Portugal.....	79*	137*
Canada....	326*	496* ^f	Italy.....	758*	1,199*	Saar.....	80*	N.A.* ^g
Denmark...	82*	89*	Luxembourg...	102*	124*	Turkey.....	12*	7*
France....	2,096*	3,222*	Netherlands...	449*	620*	UK.....	610*	861*
Greece....	42*	51*	Norway.....	219*	336*	West Germany..	2,902*	3,854* ^h

* An asterisk indicates that the data are unclassified.

^a Including, where produced, nitrogen fertilizers (in terms of nitrogen), phosphorous fertilizers (in terms of phosphoric anhydride), and potassium fertilizers (in terms of potassium oxide).^b Tonnages refer to the nutrients expressed as nitrogen, phosphoric anhydride, and potassium oxide.^c Estimated plan for 1965.^d NATO totals include only data for the US and those NATO countries listed under "Other NATO Countries."

The years for the NATO data are "fertilizer years"—that is, in general, the year ending 30 June.

^e Data differ somewhat from those presented in previous years because of slight definitional differences.^f Data are for 1961 and are included in the NATO total for 1962.^g Data for the Saar are presumed to be included with West Germany.

SECRET

MINERAL FERTILIZER, GROSS WEIGHT
PLASTICS

Table 83

Production of Mineral Fertilizer, Gross Weight, for the US and the USSR
Selected Years, 1955-63

	Thousand Metric Tons					
	1955	1958	1960	1961	1962	1963
US ^a	20,100*	20,400*	23,000*	23,000*	24,200*	25,200*
USSR.....	9,669*	12,420*	13,867*	15,315*	17,300*	19,900*

* An asterisk indicates that the data are unclassified.

^a Estimated from mineral fertilizer consumption data in gross weight, on the presumption that the percentage differences between consumption and production for nutrient content would hold true for the relation between consumption in gross weight and production in gross weight.

Table 84

Production of Plastics ^a for the US and the USSR
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
US ^b	1,696* ^c	2,112*	2,844*	2,868*	3,335*	3,763*	
USSR.....	181*	258*	332*	404*	473*	589*	950* ^d

* An asterisk indicates that the data are unclassified.

^a Because of differences in definition and product mix, Soviet and US data on plastics are not strictly comparable. For the over-all category of plastics, however, there is enough similarity to permit broad comparisons.

^b Dry basis, excluding water, solvents, and other liquid diluents.

^c Perhaps not strictly comparable with later years.

^d Revised plan for 1965. The original plan was for 1.8 million metric tons.

SECRET

99

RUBBER TIRES

SECRET

Table 85

Production of Rubber Tires ^a in the US and Selected Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Thousand Units						
	1955	1958	1960	1961	1962	1963	1965 Plan
US ^b	112,178*	96,563*	119,843*	116,736*	133,868*	139,124*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	13,500*	19,400*	23,500*	26,100*	28,600*	30,800*	
USSR.....	10,190*	14,395*	17,225*	18,996*	20,846*	22,600*	26,000* ^c
European Satellites..	3,340*	5,040*	6,300*	7,110*	7,790*	8,190*	
Bulgaria.....	72*	133*	196*	285*	328*	347*	475* ^d
Czechoslovakia ^e ..	899*	1,260*	1,324*	1,442*	1,596*	1,594*	1,828*
East Germany ^f ...	1,439*	1,980*	2,714*	2,973*	3,091*	3,200*	3,750*
Hungary.....	281*	441*	478*	559*	604*	605*	625* ^b
Poland ^b	469*	953*	1,233*	1,463*	1,573*	1,524*	2,920*
Rumania ^h	180*	270*	352*	386* ^c	595*	921* ^c	1,100*
Far East							
Communist China..	593*	1,500	N.A.	N.A.	N.A.	N.A.	
Other Communist Countries							
Cuba.....	101	265	341	361	391	400	
Yugoslavia ^h	87*	145*	391*	424*	517*	733*	

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to motor vehicle tires and exclude aircraft and bicycle tires.

^b Including truck, bus, and automobile tires.

^c Revised plan for 1965. The original plan was for 29 million tires.

^d Midpoint of the range of planned production for 1965 of 450,000 to 500,000 tires.

^e Excluding motorcycle tires.

^f Including truck, tractor, and automobile tires.

^g Including solid rubber tires and tires for carts and animal-drawn wagons.

^h Including aircraft tires.

SECRET

SYNTHETIC RUBBER

NATURAL RUBBER

Table 86

Production of Synthetic Rubber
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES *.....	1,100*	1,260*	1,890*	1,960*	2,180*	2,330*		
US.....	986*	1,072*	1,460*	1,426*	1,600*	1,634*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	313	379	467	520	564	614		
USSR.....	240	293	359	398	440	484	790 ^b	
European Satellites..	73	86*	108	122	124	130		
Bulgaria.....	0*	0*	0*	0*	0*	0*	30*	
Czechoslovakia....	1	1*	1	1	1	2	55*	
East Germany.....	72* ^c	85*	87*	90*	90*	87	105*	
Poland.....	0*	0*	20*	31*	33*	36*	45*	
Rumania.....	0*	0*	0*	0*	0*	5	50*	
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Canada.....	105.6*	181.6*	Italy.....	0*	93.0*	UK.....	0*	127.6*
France.....	0*	98.5*	Netherlands...	0*	86.0*	West Germany...	11.1*	108.2*

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries listed under "Other NATO Countries."

^b Estimated plan for 1965.

^c Including Pervinan and Plastikator.

Table 87

Production of Natural Rubber in Selected Countries
Selected Years, 1955-63

	Thousand Metric Tons					
	1955	1958	1960	1961	1962	1963
Ceylon.....	95.3*	101.8*	98.8*	97.6*	104.0*	104.8*
Indonesia *.....	748.9*	696.2*	620.2*	682.2*	669.2*	570.3*
Malaysia.....	649.0*	673.5*	719.7*	748.6*	763.6*	797.3*
Thailand ^b	132.3*	139.6*	169.8*	184.6*	193.9*	194.6*

* An asterisk indicates that the data are unclassified.

^a Figures for estate production represent reported production. No production figures are available for small holders. Total monthly production is taken as being equivalent to total net exports plus an allowance for internal consumption of small holders' rubber. This allowance currently is estimated at 1,780 metric tons per month.

^b Probably exports.

SECRET

101

CHEMICAL EQUIPMENT

SECRET

Table 88

Production of Chemical Equipment in Selected Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Unit of Measure	1955	1958	1960	1961	1962	1963	1965 Plan
USSR.....	Thousand tons *.....	111*	N.A.	N.A.	250*	273*	N.A.	
	Million new rubles.....	76*	112*	226*	243*	266*	287*	445* ^b
Bulgaria.....	Thousand tons.....	Negl.	Negl.	N.A.	N.A.	9	9	
	Million leva.....	Negl.	N.A.	3	3	3	3	
Czechoslovakia.....	Thousand tons.....	31	41*	57*	91*	95*	75*	255 ^c
	Million korunas.....	328*	450*	794*	1,066*	1,404*	1,365*	2,542 ^c
East Germany.....	Thousand tons.....	33	48	58	76	76	77	120 ^c
	Million DME ^d	138*	201*	285*	320*	320	325	500* ^c
Hungary.....	Thousand tons.....	26	26	30	34	37	38	
Poland.....	Thousand tons.....	28*	32*	29*	34*	35*	42*	106 ^c
Rumania.....	Thousand tons.....	Negl.	9*	17*	29*	41*	44*	

* An asterisk indicates that the data are unclassified.

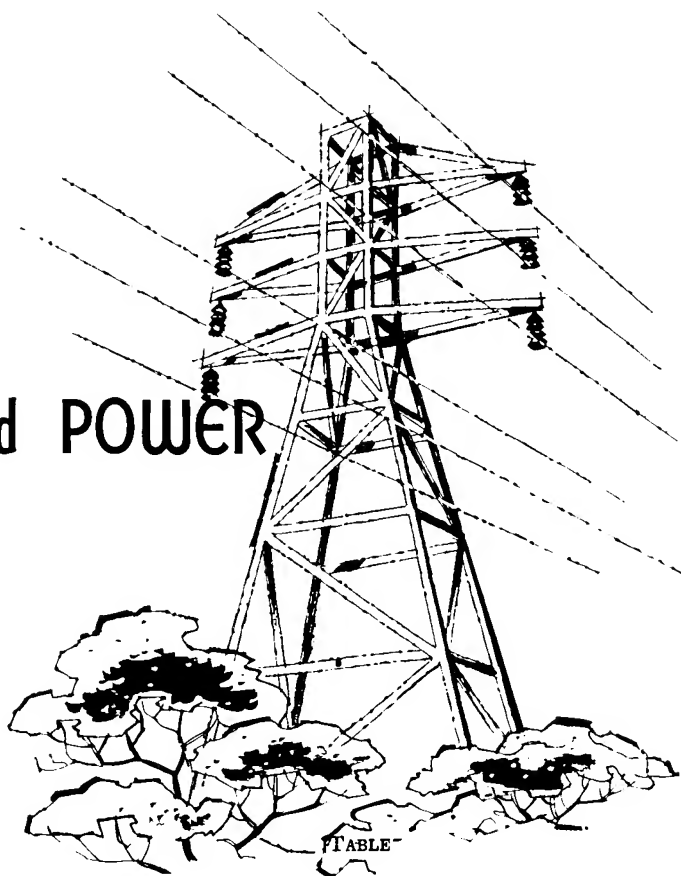
^a Tonnages are given in metric tons.

^b Estimated plan for 1965. The original plan was for 350 million to 370 million new rubles.

^c Estimated production for 1965.

^d Deutsche Mark East (East German marks). Value figures are based on constant plan prices.

FUELS and POWER



PAGE

Graphic 6 COMPARATIVE DATA ON FUELS AND
POWER FOR THE US AND THE USSR
(*Preceding page 103*)

89. PRIMARY ENERGY	103
90. HARD COAL	104
91. BROWN COAL AND LIGNITE	105
92. METALLURGICAL COKE	106
93. CRUDE OIL	107
94. PETROLEUM PRODUCTS	108
95. NATURAL GAS	109
96. ELECTRIC POWER	110
97. ELECTRIC GENERATORS	111
98. TURBINES	112

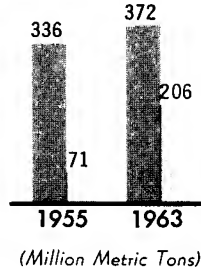
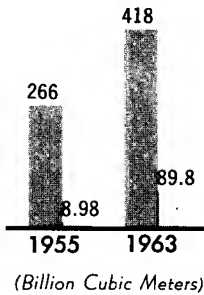
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COMPARATIVE DATA ON FUELS AND POWER FOR THE US AND THE USSR SELECTED YEARS, 1955-63

Graphic 6

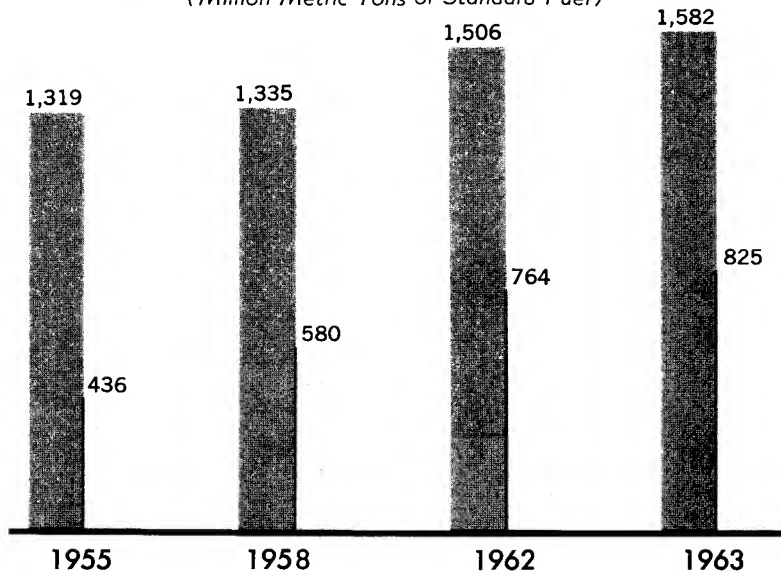
NATURAL GAS

CRUDE OIL



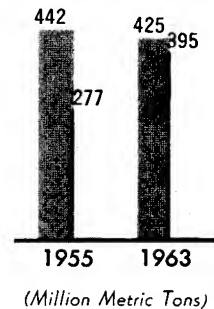
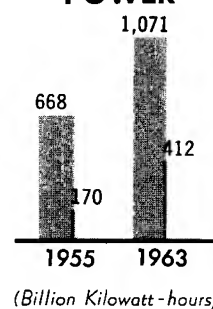
■ US
□ USSR

PRODUCTION OF PRIMARY ENERGY (Million Metric Tons of Standard Fuel)



ELECTRIC POWER

HARD COAL



39732 6-64

SECRET

GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

SECRET

PRIMARY ENERGY

Table 89

Production of Primary Energy ^a
Selected Years, 1955-63, and 1965 Plan

Million MT/SF ^b

	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^a	1,980*	2,030*	2,130*	2,150*	2,230*	2,320*		
US.....	1,319.3*	1,335.3*	1,429.2*	1,447.1*	1,506.5*	1,581.6*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	668	836	941	997	1,070	1,140		
USSR.....	435.5*	580.5*	662.7*	705.5*	763.5*	824.7*	938.5* ^d	
European Satellites...	232	256	278	291	305	319		
Bulgaria.....	5.6*	7.2*	10.0*	10.7*	11.6*	12.4*		
Czechoslovakia....	36.5*	48.6*	51.3*	54.8*	57.7*	60.0*		
East Germany.....	65.6	70.4	73.6	77.2	80.2	82.6		
Hungary.....	13.9*	13.5*	15.1*	16.3*	16.8*	18.3*		
Poland.....	83.8*	84.7*	93.5*	95.8*	98.8*	103.3*		
Rumania.....	27.0*	31.6*	34.9*	36.4*	40.0*	42.7		
Far East								
Communist China..	94.2	219.0	293.0	N.A.	N.A.	N.A.		
North Korea.....	4.3	9.6	13.1	14.6	16.8	17.6		
North Vietnam....	0.6	1.4	2.4	2.6	3.2	3.1		
Other Communist Countries								
Albania.....	0.4*	0.7*	1.2*	1.3*	1.3	1.4		
Yugoslavia.....	9.3*	12.1*	15.7*	16.0*	16.6*	18.5*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium ^a	30.1*	21.2*	Iceland.....	0.2*	0.3*	Saar.....	17.6*	N.A.* ^f
Canada.....	82.5*	154.9*	Italy.....	23.4*	36.9*	Turkey.....	4.3*	6.6*
Denmark.....	0.3*	0.7*	Netherlands.....	13.5*	15.0*	UK.....	226.3*	203.8*
France.....	72.1*	79.5*	Norway.....	12.7*	22.6*	West Germany..	171.2*	191.3* ^f
Greece.....	0.6*	1.7*	Portugal.....	1.4*	2.7*			

* An asterisk indicates that the data are unclassified.

^a Data refer to production of primary energy from major sources of supply, including coal, crude oil, natural gas, and hydroelectric power, and exclude energy from minor sources such as peat, shale, and fuelwood.

^b Metric tons of standard fuel. Standard fuel has a calorific value of 7,000 kilocalories per kilogram.

^c NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries." The following coefficients were used to convert the sources of primary energy into standard fuel equivalents: coal (metric tons), 1.0; brown coal and lignite (metric tons), 0.29; crude oil (metric tons), 1.3; crude natural-gasoline (metric tons), 1.5; natural gas (1,000 cubic meters), 1.33; and hydroelectricity (1,000 kilowatt-hours), 0.55.

^d Estimated production for 1965.

^e Including data for Luxembourg.

^f Data for the Saar are included with West Germany.

SECRET

103

HARD COAL

SECRET

Table 90

Production of Hard Coal ^a
Selected Years, 1955-63, and 1965 Plan

Million Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	931*	870*	836*	815*	836*	860*		
US.....	442.4*	389.4*	391.5*	378.7*	395.5*	424.9*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	401*	482*	516*	521*	535*	549*		
USSR.....	276.6*	353.0*	374.9*	377.0*	386.4*	395.0*		
European Satellites..	124*	129*	141*	144*	148*	154*		
Bulgaria.....	0.3*	0.4*	0.6*	0.6*	0.6*	0.7*	1.9*	
Czechoslovakia....	20.6*	23.9*	26.2*	26.2*	27.1*	28.3*		
East Germany.....	2.7*	2.9*	2.7*	2.7*	2.6*	2.6*	2.8*	
Hungary.....	2.7*	2.6*	2.8*	3.1*	3.3*	3.7*	3.7	
Poland.....	94.5*	95.0*	104.4*	106.6*	109.6*	113.2*	114.5*	
Rumania.....	3.4*	3.9*	4.5*	4.9*	5.3*	5.6*	7.0 °	
Far East								
Communist China ^d	98.3*	230.0	330.0	240.0*	210.0	215.0		
North Korea.....	1.9*	4.3*	6.8*	7.6*	8.8*	9.4*		
North Vietnam....	0.6	1.5	2.6*	2.8*	3.5*	3.3		
Other Communist Countries								
Yugoslavia.....	1.1*	1.2*	1.3*	1.3*	1.2*	1.3*	1.3* °	
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium...	30.0*	21.0*	Netherlands...	11.9*	11.5*	Turkey.....	3.5*	4.2*
Canada....	11.4*	7.9*	Norway ^e	0.3*	0.4*	UK ^f	225.2*	198.9*
France....	55.3*	47.8*	Portugal.....	0.4*	0.4*	West Germany..	131.8*	142.1* ^g
Italy.....	1.1*	0.6*	Saar.....	17.3*	N.A.* ^h			
Other Countries								
	1955	1963		1955	1963		1955	1963
Australia....	19.6*	25.2*	Japan.....	42.4*	52.1*	Spain.....	12.4*	12.9*
India.....	38.8*	66.9*						

* An asterisk indicates that the data are unclassified.

^a Data refer to anthracite and bituminous coal.

^b NATO totals include only data for the US and those NATO countries listed under "Other NATO Countries."

^c Estimated production for 1965.

^d Including a negligible amount of brown coal.

^e Norwegian mines in Svalbard only.

^f Data for the Saar are included with West Germany.

^g Excluding Northern Ireland.

SECRET

BROWN COAL AND LIGNITE

Table 91

Production of Brown Coal and Lignite
Selected Years, 1955-63, and 1965 Plan

Million Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^a	101*	107*	111*	113*	118*	123*		
US.....	2.9*	2.2*	2.5*	2.7*	2.8*	2.6*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	394*	459*	475*	492*	508*	532*		
USSR.....	114.6*	143.1*	138.3*	133.5*	131.0*	137.0*		
European Satellites...	279*	316*	337*	359*	377*	395*		
Bulgaria.....	9.8*	12.4*	16.6*	18.0*	20.2*	21.4*	34.5* ^b	
Czechoslovakia...	40.4*	56.4*	57.9*	64.6*	68.9*	72.4*		
East Germany.....	200.6*	215.0*	225.5*	236.9*	247.0*	254.0*		
Hungary.....	19.6*	21.6*	23.7*	25.1*	25.3*	26.8*	27.3* ^b	
Poland.....	6.0*	7.5*	9.3*	10.3*	11.1*	15.3*	27.0*	
Rumania.....	2.8*	3.5*	3.7*	3.8*	4.3*	4.6*		
Far East ^c								
North Korea.....	1.4*	2.6*	3.5*	3.8*	4.4*	4.7*		
Other Communist Countries								
Albania.....	0.2*	0.3*	0.3*	0.3*	0.3*	0.3*	0.4* ^d	
Yugoslavia.....	14.1*	17.8*	21.4*	22.8*	23.5*	26.1*	33.7*	
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Canada.....	2.1*	1.7*	Greece.....	0.8*	3.5*	Portugal.....	0.1*	0.1*
Denmark.....	0.8*	2.0* ^e	Italy.....	0.4*	1.4*	Turkey.....	1.2* ^f	2.4*
France.....	2.0*	2.5*	Netherlands.....	0.3*	<i>Negl.</i> ^g	West Germany...	90.5*	106.7*
Other Countries								
	1955	1963		1955	1963		1955	1963
Australia.....	10.3*	18.8*	Japan.....	1.4*	0.9*	Spain.....	1.8*	2.6*
Austria.....	6.6*	6.0*	New Zealand.....	1.8*	2.1*			

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^b Estimated plan for 1965.

^c Negligible production for Communist China is included in Table 90, p. 104.

^d Estimated production for 1965.

^e Data are for 1962 and are included in the NATO total for 1963.

^f State-owned mines only.

SECRET

105

METALLURGICAL COKE

SECRET

Table 92

Production of Metallurgical Coke ^a
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	159,000*	150,000*	149,000*	143,000*	139,000*	141,000*		
US.....	68,313*	48,629*	51,917*	46,911*	47,092*	49,202*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	55,800*	65,300*	73,100*	75,700*	79,000*	82,800*		
USSR.....	43,593*	50,893*	56,233*	58,604*	60,929*	63,900*	80,000*	
European Satellites..	12,200*	14,400*	16,900*	17,100*	18,100*	18,900*		
Bulgaria ^c	10*	10*	20*	20*	8*	75*		
Czechoslovakia....	5,460*	5,836*	6,842*	7,009*	7,348*	7,626*	9,750*	
East Germany ^d ...	458*	995*	1,008*	1,030*	1,031*	1,030*	1,320*	
Hungary ^e	30*	335*	499*	597*	654*	660*	640*	
Poland.....	6,127*	6,647*	7,712*	7,517*	7,920*	8,360*	9,750*	
Rumania.....	144*	563*	820*	940*	1,119*	1,141*	1,600*	
Far East								
Communist China ^f ...	3,658*	10,400*	N.A.	N.A.	N.A.	N.A.		
North Korea.....	207*	390*	1,015*	1,290*	1,440*	1,440*		
North Vietnam....	0	44*	56*	56*	108*	108*		
Other Communist Countries								
Yugoslavia.....	731*	1,030*	1,083*	1,099*	1,107*	1,090*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium...	6,600*	7,201*	Italy.....	2,954*	4,594*	Turkey.....	547*	800*
Canada....	3,369*	4,282*	Netherlands ^g ..	3,901*	4,263*	UK.....	18,394*	15,773*
France....	10,760*	13,093*	Saar.....	3,939*	N.A.* ^h	West Germany..	40,521*	41,892* ^h

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to production of oven and beehive coke and exclude production of breeze coke.

^b Net production, excluding coke consumed by coking plants. NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Prior to 1963, foundry coke, not suitable for blast furnaces. Production in 1963 believed to be primarily metallurgical coke.

^d May include some high-temperature brown coal coke used for metallurgical purposes.

^e Data refer to metallurgical coke, but a large part of this "metallurgical coke" is produced in gas plants and is used with high-quality coke in charging blast furnaces.

^f Excluding coke made in beehive, clamp, native, and "small modern" furnaces.

^g Including breeze coke.

^h Data for the Saar are included with West Germany.

SECRET

CRUDE OIL

Table 93

Production of Crude Oil *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	359,000*	363,000*	385,000*	397,000*	408,000*	422,000*		
US.....	335,744*	330,955*	347,975*	354,305*	361,660*	372,001*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	83,400*	126,000*	161,000*	180,000*	200,000	221,000		
USSR.....	70,793*	113,216*	147,859*	166,068*	186,242*	206,100*	240,000*	
European Satellites...	12,600*	12,700*	13,200*	13,600*	14,100	14,600		
Bulgaria.....	150*	222*	200*	207*	199*	190*		
Czechoslovakia....	107*	106*	137*	154*	177*	200*		
East Germany.....	0	<i>Negl.</i>	<i>Negl.</i>	6	30	50	1,000*	
Hungary.....	1,601*	830*	1,217*	1,457*	1,641*	1,756*	2,200*	
Poland.....	180*	175*	194*	203*	202*	212*	207*	
Rumania.....	10,555*	11,336*	11,500*	11,582*	11,864*	12,233*	12,200*	
Far East								
Communist China ^c .	966*	2,260*	4,600	4,500	5,000	5,800		
Other Communist Countries								
Albania.....	208*	403*	728*	771*	785*	800*	1,000*	
Cuba.....	<i>N.A.</i>	<i>N.A.</i>	20	<i>N.A.</i>	<i>N.A.</i>	30		
Yugoslavia.....	257*	462*	944*	1,341*	1,525*	1,611*	2,200*	
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Canada...	17,492*	34,914*	Netherlands....	1,024*	2,136*	UK.....	55*	125*
France...	885*	2,520*	Turkey.....	179*	728*	West Germany	3,147*	7,383*
Italy.....	204*	1,833*						
Other Countries								
	1955	1963		1955	1963		1955	1963
Argentina.	4,365*	13,907*	Iraq.....	33,740*	56,463*	Mexico.....	12,786*	16,387*
Colombia.	5,493*	8,343* ^d	Kuwait.....	54,759*	97,089*	Qatar.....	5,438*	9,094*
Indonesia.	11,730*	22,800* ^e	Kuwait (Neutral Zone).....	1,294*	16,856*	Saudi Arabia..	47,535*	80,971*
Iran.....	16,300*	70,625*				Venezuela....	115,169*	169,933*

* An asterisk indicates that the data are unclassified.

° Unless otherwise indicated, data refer to crude oil and exclude shale oil, natural gasoline, and synthetic crude oil.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

° Including production of synthetic crude oil.

^d Including natural gasoline.

° Data are for 1962.

SECRET

107

PETROLEUM PRODUCTS

SECRET

Table 94

Production of Petroleum Products *
Selected Years, 1955-63, and 1965 Plan

Million Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	451*	485*	543*	569*	600*	N.A.*		
US.....	338.7*	343.2*	360.3*	364.7*	373.3*	382.0*		
COMMUNIST COUNTRIES ^c								
Soviet Bloc.....	76.2	110	136	147	164	179		
USSR ^d	60.7	92.7	116.1	126.3	141.5	155.0		
European Satellites..	15.5	17.7	19.4	20.4	22.2	23.9		
Bulgaria.....	Negl.	0.1	0.1	0.1	0.1	0.4	1.8	
Czechoslovakia....	1.0	1.6	2.0	2.5	3.1	3.7	4.7	
East Germany.....	2.1	2.7	3.1	3.4	3.7	4.0		
Hungary.....	1.6*	1.9*	2.4*	2.5*	2.8*	3.1*		
Poland.....	0.7*	0.8*	0.8*	0.9*	1.2*	1.3*		
Rumania.....	10.1	10.6	11.0	11.0	11.3	11.4		
Far East								
Communist China..	1.2	2.7	4.7	4.0	4.5	5.3		
Other Communist Countries								
Albania.....	0.1	0.3	0.3	0.4	0.4	0.4		
Yugoslavia.....	0.7*	1.1*	1.3*	1.3*	1.7*	1.8*		
Cuba.....	0.4*	3.4*	3.1*	N.A.	N.A.	N.A.		
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Belgium.....	4.2*	7.2*	Greece.....	Negl.*	1.7*	Portugal.....	0.9*	1.2*
Canada.....	23.6*	36.1*	Italy ^e	15.6*	37.4*	Turkey.....	0.1*	0.7*
Denmark.....	Negl.*	1.2*	Netherlands ^e ..	11.4*	21.1*	UK.....	25.9*	48.8*
France.....	21.7*	33.5*	Norway.....	0.1*	2.3*	West Germany...	8.7*	35.1*

* An asterisk indicates that the data are unclassified.

* Data include, where produced, production of gasoline, kerosine, distillate fuel oil, lubricating oil, residual and other petroleum products, natural gasoline, and liquefied petroleum gases. Data exclude some minor miscellaneous products such as white spirits and bitumen.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Data for the Communist countries include production of products from indigenous and imported natural crude oil and from synthetic sources. Synthetic production is not included in production for the USSR.

^d Excluding relatively small yields of synthetic stocks.

^e Excluding losses and refinery use.

SECRET

SECRET

NATURAL GAS

Table 95

Production of Natural Gas
Selected Years, 1955-63, and 1965 Plan

Million Cubic Meters								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^a	275,000*	328,000*	387,000*	406,000*	433,000*	463,000*		
US ^b	266,331*	312,345*	361,637*	375,314*	392,944*	418,023*		
COMMUNIST COUNTRIES ^c								
Soviet Bloc.....	16,300	38,400	57,800	72,400	89,000	107,000		
USSR ^b	8,981*	28,085*	45,303*	58,981*	73,525*	89,800*	126,600* ^d	
European Satellites..	7,290	10,300	12,500	13,400	15,500	17,500		
Czechoslovakia....	173*	1,246*	1,443*	1,410*	1,400*	1,500*		
East Germany.....	10	25	40	40	50	100	270*	
Hungary.....	545*	379*	342*	324*	340*	612*	1,800*	
Poland.....	393*	382*	541*	722*	791*	983*	1,150*	
Rumania ^e	6,169*	8,313*	10,142*	10,914*	12,906*	14,262*		
Far East								
Communist China..	65*	N.A.	N.A.	N.A.	N.A.	N.A.		
Other Communist Countries								
Yugoslavia.....	55*	46*	53*	69*	95*	191*	400*	
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Canada....	4,269*	31,612*	Italy.....	3,627*	7,265*	West Germany..	240*	915*
France....	256*	4,860*	Netherlands.....	145*	554* ^f			
Other Countries								
	1955	1963		1955	1963		1955	1963
Argentina..	719*	3,333*	Japan.....	156*	1,693*	Venezuela.....	2,748*	5,585*
Indonesia..	1,908*	2,712* ^g	Mexico ^h	3,392*	11,370*			

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries." Data for NATO relate, as far as possible, to natural gas (net production) actually collected and utilized as fuel or raw material. They thus exclude gas used for repressuring, as well as gas flared, vented, or otherwise wasted, whether or not it has first been processed for the extraction of natural gasoline.

^b Data for the US are in terms of net marketed production and agree with the general definition for the NATO data. Data for the USSR are believed to refer to gross production less losses and waste. US gross production (less losses and waste) which would include gas returned to reservoirs in order to maintain horizon pressure (about 11 percent of gross production in 1962) would be as follows (billion cubic meters):

1955	1958	1960	1961	1962
310	354	411	423	442

A much smaller share of total production in the USSR is believed to be used for repressuring.

^c Data for the Communist countries are for gross production.

^d Revised plan for 1965. The original plan was for 149.8 billion cubic meters.

^e Including methane (dry) gas and wet gas from oilfields.

^f Data are for 1962 and are included in the NATO total for 1963.

^g Data are for 1962.

^h Including gas used for repressuring and wasted.

SECRET

109

ELECTRIC POWER

SECRET

Table 96

Production of Electric Power *
Selected Years, 1955-63, and 1965 Plan

Billion Kilowatt-Hours								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	1,070*	1,260*	1,470*	1,540*	1,660*	1,780*		
US.....	667.62*	768.50*	893.72*	933.06*	1,000.96*	1,071.09*		
Of which: Hydro.	116.24*	143.61*	149.12*	155.22*	171.60*	168.69*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	244*	329*	406*	452*	504*	555*		
USSR.....	170.22*	235.35*	292.27*	327.61*	369.28*	412*	508* ^c	
Of which: Hydro.	23.16*	46.48*	50.91*	59.12*	71.94*	80*	100* ^d	
European Satellites..	73.3*	94.1*	114*	124*	134*	143*		
Bulgaria.....	2.07*	3.02*	4.66*	5.41*	6.04*	7.18*	11.25*	
Czechoslovakia....	15.01*	19.62*	24.45*	26.96*	28.73*	29.86*		
East Germany.....	28.70*	34.87*	40.30*	42.52*	45.06*	47.45*		
Hungary.....	5.43*	6.48*	7.62*	8.38*	9.12*	9.66*	11*	
Poland.....	17.75*	23.96*	29.31*	32.25*	35.38*	36.95*	43*	
Rumania.....	4.34*	6.18*	7.65*	8.66*	10.09*	11.68*	18.5*	
Far East								
Communist China..	12.28*	27.53*	47 °	35 °	30 °	31 °		
North Korea.....	3.14*	7.63*	9.14*	10.04*	11.40*	11.77*	17* ^e	
North Vietnam....	0.05*	0.16*	0.26*	0.30*	0.37*	0.44*	0.66* ^c	
Other Communist Countries								
Albania.....	0.08*	0.15*	0.19*	0.23*	0.24*	0.25*	0.33*	
Yugoslavia.....	4.34*	7.36*	8.93*	9.92*	11.28*	13.53*		
Cuba °.....	1.87	2.60	3.00	2.95	2.88	2.94	3.55 *	
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium....	11.72*	19.04*	Iceland.....	0.41*	0.64*	Portugal.....	1.98*	4.40*
Canada.....	83.13*	122.26*	Italy.....	38.12*	70.82*	Saar.....	2.32*	N.A.* ^b
Denmark...	4.17*	7.00*	Luxembourg....	1.19*	1.93*	Turkey.....	1.58*	3.99*
France.....	51.53*	92.16*	Netherlands....	11.19*	21.01*	UK.....	95.69*	176.62*
Greece.....	1.39*	3.20*	Norway.....	22.70*	40.33*	West Germany...	76.54*	146.45* ^b
Other Countries								
	1955	1963		1955	1963		1955	1963
India.....	10.88*	29.09*	Spain.....	11.92*	24.31*	Sweden.....	24.72*	40.12*
Japan.....	65.19* ¹	152.94*						

* An asterisk indicates that the data are unclassified.

^a Data refer to total (gross) production at generating centers (therefore including transmission losses and station use). (See footnote b, below.)^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries." Data are gross production or estimates of gross production based on reported net, adjusted by increasing by 7.53 percent the thermal electric production to include production that is consumed by the station itself. Hydroelectric production that is consumed by the station itself is a negligible part of the total gross production. Therefore, no attempt has been made to adjust the net production for hydroelectric power.^c Revised plan for 1965.^d Estimated plan for 1965.^e Estimated data.^f Plan data for 1967.^g Midpoint of the range of estimated production of 3.5 billion to 3.6 billion kilowatt-hours.^h Data for the Saar are included with West Germany.ⁱ Year ending 1 April.

SECRET

ELECTRIC GENERATORS

Table 97

Production of Electric Generators* in the US and Selected Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Thousand Kilowatts						
	1955	1958	1960	1961	1962	1963	1965 Plan
US ^b	10,584*	17,833*	12,899*	13,207*	12,573*	14,279*	
COMMUNIST COUNTRIES							
Soviet Bloc							
USSR.....	4,526*	5,186*	7,915*	9,450*	11,022*	11,900*	15,800*
European Satellites							
Bulgaria.....	10*	0*	29*	52*	12*	'50	
Czechoslovakia ^c	963*	976*	1,391*	1,542*	1,344*	1,500	
Hungary ^c	225	200*	175	N.A.	150	150	
Poland.....	10	140	200*	200*	270	330	600*
Rumania.....	46*	47*	70*	105*	49*	90*	
Far East							
Communist China..	108	800*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	Negl.*	5*	14*	N.A.	40	50	486* ^d

* An asterisk indicates that the data are unclassified.

^a Turbogenerators and hydrogenerators only. Production of diesel generators in most instances is believed to be negligible.

^b Shipments of units 4,000 kilowatts and larger.

^c Alternating current only.

^d Plan data for 1967.

SECRET

111

TURBINES

SECRET

Table 98

Production of Turbines* in the US and Selected Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Thousand Kilowatts						
	1955	1958	1960	1961	1962	1963	1965 Plan
US ^b	10,584*	17,833*	12,899*	13,207*	12,573*	14,279*	
COMMUNIST COUNTRIES							
Soviet Bloc							
USSR ^c	5,571*	6,647*	9,200*	10,732*	11,900*	11,872*	19,550* ^d
European Satellites							
Czechoslovakia....	1,004*	964*	1,554*	968*	1,291*	N.A.	2,590*
East Germany ^e ...	539*	505*	530*	800	N.A.	N.A.	1,606*
Hungary.....	240*	N.A.	N.A.	N.A.	N.A.	N.A.	
Poland ^e	19*	53*	186*	271*	405*	460*	
Rumania ^f	15*	23*	98*	84*	34*	N.A.	
Far East							
Communist China.	69*	800*	N.A.	N.A.	N.A.	N.A.	

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to steam and hydraulic turbines. Most production of turbines is for use in matched sets with generators for production of electric power. In addition, turbines are produced in single units for many purposes, including direct industrial drives, marine propulsion, and pipeline transmission.

^b Shipments of units 4,000 kilowatts and larger.

^c Including a small number of gas turbines.

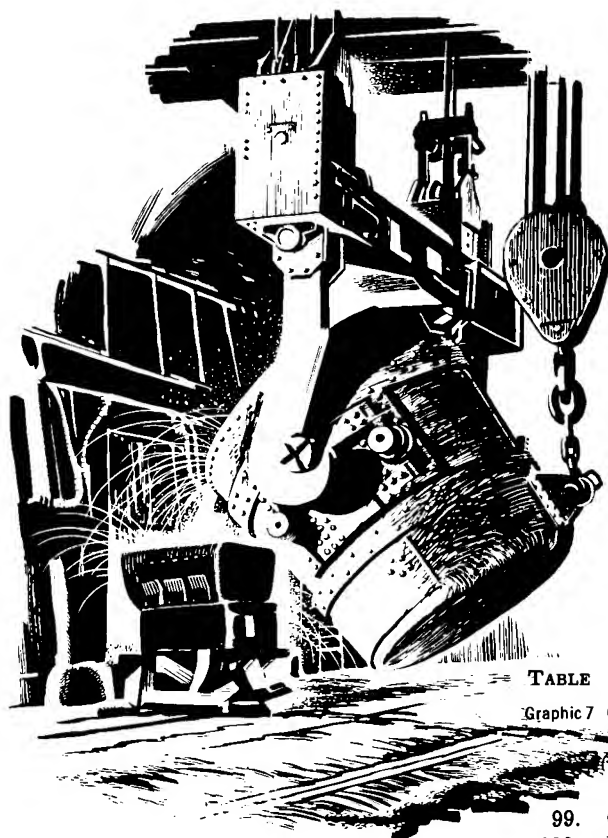
^d Midpoint of the range of planned production for 1965 of 18.7 million to 20.4 million kilowatts.

^e Steam turbines only.

^f Steam turbines of more than 500 kilowatts only.

SECRET

MINERALS and METALS



TABLE

PAGE

Graphic 7 COMPARATIVE DATA ON MINERALS AND METALS FOR THE US AND THE USSR
(Preceding page 113)

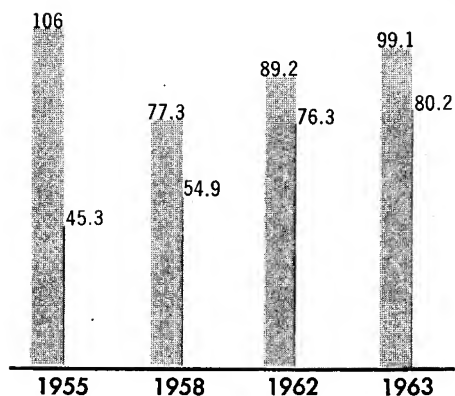
99.	CRUDE STEEL	113
100.	PIG IRON AND BLAST-FURNACE FERROALLOYS	114
101.	IRON ORE	115
102.	MANGANESE ORE	116
103.	REFINED NICKEL	117
104.	CHROMITE	118
105.	MOLYBDENUM	119
106.	COBALT	120
107.	TUNGSTEN ORE	121
108.	REFINED COPPER	122
109.	PRIMARY ALUMINUM	123
110.	BAUXITE	124
111.	SMELTER PRODUCTION OF LEAD	125
112.	REFINED ZINC	126
113.	SMELTER PRODUCTION OF PRIMARY TIN METAL	127
114.	PRIMARY MAGNESIUM	128
115.	TITANIUM SPONGE METAL	128
116.	METALLURGICAL EQUIPMENT	129

SECRET

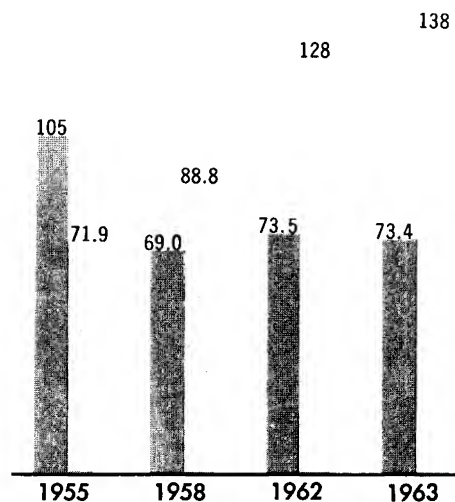
Graphic 7

COMPARATIVE DATA ON MINERALS AND METALS FOR THE US AND THE USSR SELECTED YEARS, 1955-63

CRUDE STEEL
(Million Metric Tons)



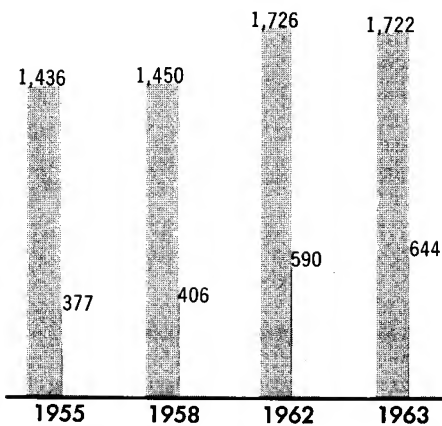
IRON ORE *
(Million Metric Tons)



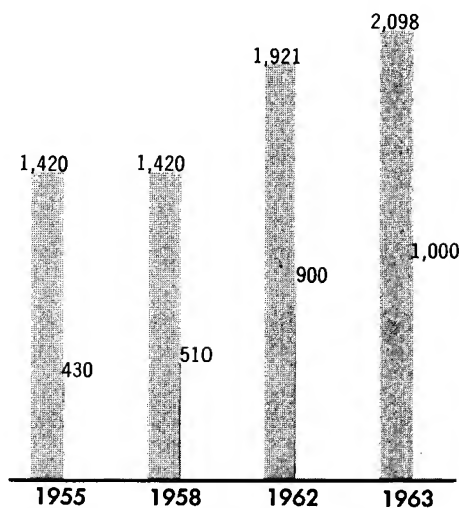
US
USSR

* Gross amount of marketable iron ore

REFINED COPPER
(Thousand Metric Tons)



PRIMARY ALUMINUM
(Thousand Metric Tons)



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SECRET

GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

SECRET

CRUDE STEEL

Table 99

Production of Crude Steel *
Selected Years, 1955-63, and 1965 Plan

Million Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	184*	160*	194*	192*	191*	204*		
US ^c	106.17*	77.34*	90.07*	88.93*	89.20*	99.12*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	59.5*	72.4*	86.5*	93.5*	101*	105*		
USSR.....	45.27*	54.92*	65.29*	70.76*	76.31*	80.20*	89.3* ^d	
European Satellites...	14.3*	17.4*	21.2*	22.8*	24.7*	25.3*		
Bulgaria ^e	0.12*	0.26*	0.30*	0.39*	0.48*	0.52*	1.43* ^f	
Czechoslovakia....	4.47*	5.51*	6.77*	7.04*	7.64*	7.60*	10.6* ^d	
East Germany.....	2.84*	3.46*	3.79*	3.91*	4.09*	4.10*	5.2*	
Hungary.....	1.63*	1.63*	1.89*	2.05*	2.33*	2.37*	2.6*	
Poland.....	4.43*	5.66*	6.68*	7.23*	7.68*	8.00*	9.3*	
Rumania.....	0.77*	0.93*	1.81*	2.13*	2.45*	2.70*	3.3*	
Far East								
Communist China..	2.85*	8.00* ^g	18.45*	N.A.	N.A.	8 to 10		
North Korea.....	0.14*	0.36*	0.64*	0.78*	1.05*	1.02*	2.35* ^h	
Other Communist Countries								
Yugoslavia.....	0.80*	1.12*	1.44*	1.53*	1.60*	1.59*		
Cuba.....	N.A.	0.03*	0.03*	0.02*	0.02*	N.A.		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium.....	5.85*	7.53*	Italy.....	5.40*	10.13*	Saar.....	3.16*	N.A.* ⁱ
Canada.....	4.11*	7.42*	Luxembourg....	3.22*	4.03*	Turkey.....	0.19*	0.33*
Denmark.....	0.24*	0.36*	Netherlands....	0.98*	2.34*	UK.....	20.11*	22.88*
France.....	12.59*	17.12*	Norway.....	0.17*	0.54*	West Germany..	21.34*	31.60* ⁱ
Greece.....	0.06*	N.A.*	Portugal.....	0*	0.22*			
Other Countries								
	1955	1963		1955	1963		1955	1963
Australia ^j	2.24*	4.65*	Japan.....	9.41*	31.50*	Sweden.....	2.15*	3.87*
India.....	1.73*	5.97* ^j	South Africa ^k ...	1.58*	2.84*			

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to the total production of ingots and steel for castings.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Excluding steel for castings made in foundries operated by companies not producing ingots.

^d Revised plan for 1965.

^e Including an estimate for steel for castings for all years.

^f Estimated plan for 1965.

^g Excluding production from "native furnaces."

^h Plan data for 1967. Midpoint of the range of 2.2 million to 2.5 million metric tons.

ⁱ Data for the Saar are included with West Germany.

^j Ingots only.

^k Including finished castings for sale.

SECRET

113

PIG IRON

SECRET

Table 100

Production of Pig Iron and Blast-Furnace Ferroalloys *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	128,000*	113,000*	136,000*	134,000*	134,000*	141,000*		
US.....	70,570*	52,406*	61,072*	59,235*	60,138*	66,312*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	42,200*	50,700*	60,200*	64,900*	70,600*	74,500*		
USSR.....	33,310*	39,600*	46,757*	50,893*	55,265*	58,700*	65,700* °	
European Satellites..	8,860*	11,100*	13,400*	14,000*	15,300*	15,800*		
Bulgaria.....	8* ^d	91*	192*	206*	223*	265*		
Czechoslovakia....	2,982*	3,774*	4,695*	4,971*	5,177*	5,254*	7,700* °	
East Germany.....	1,517*	1,775*	1,996*	2,031*	2,075*	2,150*		
Hungary.....	868*	1,082*	1,246*	1,306*	1,382*	1,388*	1,650*	
Poland.....	2,920*	3,592*	4,253*	4,427*	4,933*	5,000*	6,400*	
Rumania.....	570*	737*	1,014*	1,099*	1,511*	1,706*	2,000*	
Far East								
Communist China..	3,872*	13,690* °	27,500	N.A.	N.A.	N.A.		
North Korea.....	112*	320*	752*	810*	1,058*	986*		
North Vietnam....	0*	0*	10*	10*	12*	15*		
Other Communist Countries								
Yugoslavia.....	514*	748*	972*	997*	1,050*	996*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium.....	5,390*	6,915*	Luxembourg ^f ..	3,085*	3,586*	Saar.....	2,879*	N.A.* °
Canada.....	3,072*	5,496*	Netherlands...	670*	1,709*	Turkey.....	201*	211*
Denmark....	54*	71*	Norway.....	123*	750*	UK.....	12,670*	14,834*
France.....	10,960*	14,314*	Portugal.....	0*	250*	West		
Italy.....	1,677*	3,769*				Germany..	16,482*	23,015* °
Other Countries ^h								
	1955	1963		1955	1963		1955	1963
Australia ⁱ ...	1,826*	3,682*	Japan.....	5,426*	20,431*	Sweden....	1,176*	1,876* ⁱ
India.....	1,925*	6,742*	South Africa...	1,301*	2,442*			

* An asterisk indicates that the data are unclassified.

° Unless otherwise indicated, data refer to production of pig iron and blast-furnace ferroalloys and exclude ferroalloys obtained from electric furnaces and sponge iron.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

° Revised plan for 1965.

^d Although the Bulgarian yearbook lists these data as pig iron, they probably refer to iron castings because there were no facilities for production of pig iron before 1957.

° Including 4.16 million metric tons of "native iron."

^f Including small quantities of foreign-produced pig iron returned to furnaces.

* Data for the Saar are included with West Germany.

^h Data may include some electric-furnace ferroalloys.

ⁱ Excluding ferroalloys.

SECRET

IRON ORE

Table 101

Production of Iron Ore *
Selected Years, 1955-63, and 1965 Plan

Million Metric Tons

	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	209*	181*	218*	199*	203*	194*	
US ^c	104.65*	69.04*	89.04*	72.70*	73.49*	73.41*	
COMMUNIST COUNTRIES ^d							
Soviet Bloc.....	78.8*	96.5*	115*	128*	139*	149*	
USSR.....	71.86*	88.82*	105.86*	117.63*	128.10*	137.50*	153.9* •
European Satellites..	6.96*	7.68*	9.34*	10.1*	10.6*	11.3*	
Bulgaria.....	0.11*	0.29*	0.42*	0.42*	0.64*	0.66*	
Czechoslovakia....	2.49*	2.80*	3.12*	3.29*	3.48*	3.35*	4.4* •
East Germany.....	1.66*	1.51*	1.64*	1.64*	1.64*	1.64*	1.67*
Hungary.....	0.35*	0.37*	0.52*	0.60*	0.68*	0.73*	
Poland.....	1.70*	1.96*	2.18*	2.39*	2.44*	2.61*	3.12*
Rumania.....	0.64*	0.74*	1.46*	1.74*	1.74*	2.29*	4*
Far East							
Communist China..	9.60*	59.00*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	0.14*	1.55*	3.11*	3.54*	3.34*	3.86*	
North Vietnam....	N.A.	N.A.	0.02*	0.02*	0.03*	0.07*	
Other Communist Countries							
Albania ^f	0*	0.09*	0.26*	0.36*	0.42*	N.A.	
Yugoslavia.....	1.40*	2.00*	2.20*	2.18*	2.19*	2.30*	
Cuba.....	0.04*	0.02*	0.02*	0.01*	0.02*	N.A.	

Other NATO Countries

	1955	1963		1955	1963		1955	1963
Belgium....	0.11*	0.10*	Greece.....	0.19*	0.30* ^h	Portugal.....	0.19*	0.28*
Canada *....	14.77*	27.26*	Italy.....	1.38*	1.01*	Turkey.....	0.76*	0.73*
Denmark...	0.12*	0.07* ^h	Luxembourg..	7.20*	6.99*	UK.....	16.44*	15.16*
France.....	50.26*	57.88*	Norway.....	1.26*	2.22*	West Germany...	11.38*	8.59*

Other Countries

	1955	1963		1955	1963		1955	1963
Austria.....	2.84*	3.73*	Japan ⁱ	1.52*	2.46*	Sweden ⁱ	17.35*	23.09*
India.....	4.75*	14.78*	Spain.....	3.71*	5.28*	Venezuela.....	8.44*	11.98*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to the gross amount of marketable iron ores in the state in which they leave the mines, including manganiferous ores but excluding pyrites.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries." The metal content of the ore in the NATO countries and other Free World countries is as follows: Austria, Luxembourg, and the UK, 27 to 30 percent; Belgium, France, and West Germany, 31 to 34 percent; Italy, Portugal, Spain, and the US, 50 percent; Canada and Japan, 55 percent; Sweden and Turkey, 60 percent; and India, Norway, and Venezuela, 61 to 65 percent.

^c Excluding manganiferous iron ore containing 5 percent or more of manganese.

^d The metal content of the ore in selected Communist countries is as follows: USSR, in terms of dressed ore—54 to 55 percent of the ore; Communist China, 20 to 50 percent; North Korea, 40 to 50 percent; Albania, 50 to 55 percent (1 percent nickel); Bulgaria, 40 to 50 percent; Czechoslovakia, 34 percent; East Germany, 25 to 30 percent; Hungary, 28 percent; Poland, 30 percent; Rumania, 32 to 40 percent; Yugoslavia, 40 to 43 percent; and Cuba, 35 to 50 percent.

^e Revised plan for 1965.

^f Iron-nickel ore that is mined for its nickel content.

^g Shipments.

^h Data are for 1962 and are included in the NATO total for 1963.

ⁱ Including iron sand.

^j Including concentrates (about 1 million metric tons per year).

SECRET

115

MANGANESE ORE

SECRET

Table 102

Production of Manganese Ore *
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	396*	389*	190*	166*	132*	N.A.*	
US ^c	261*	297*	73*	42*	22*	N.A.*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	5,590*	5,940*	6,350*	6,440*	6,830*	7,250*	
USSR.....	4,743*	5,366*	5,872*	5,972*	6,402*	6,750*	8,500*
European Satellites..	843*	575*	477*	469*	431*	504*	
Bulgaria.....	63*	28*	25*	37*	35*	37*	
Czechoslovakia....	260*	165*	154*	101*	83*	84*	
Hungary.....	130*	182*	123*	125*	124*	123*	
Rumania.....	390*	200*	175*	206*	189*	260*	
Far East							
Communist China..	196	534*	1,500	N.A.	N.A.	N.A.	
Other Communist Countries							
Yugoslavia.....	11*	10*	13*	14*	15*	8*	
Cuba.....	111* ^d	105* ^d	29* ^e	89	79	81*	

Other NATO Countries

	1955	1962		1955	1962		1955	1962
Greece.....	25*	30*	Portugal....	4*	11*	Turkey.....	50*	24*
Italy.....	57*	44*						

Other Countries

	1955	1962		1955	1962		1955	1962
Brazil.....	213*	820*	India.....	1,609*	1,186*	South Africa...	589*	1,465*
Congo.....	462*	316*	Japan.....	202*	309*			

* An asterisk indicates that the data are unclassified.

^a The metal content of the ore of the various countries is as follows: the US, more than 35 percent; other Free World countries and Cuba, 30 to 50 percent; the USSR, about 45 percent; Communist China and Yugoslavia, about 35 percent; Rumania, 30 percent; Czechoslovakia, less than 30 percent; Bulgaria, about 27 percent; and Hungary, 26 percent.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Shipments.

^d Exports.

^e US imports.

SECRET

SECRET

REFINED NICKEL

Table 103

Production of Refined Nickel ^a
Selected Years, 1955-63, and 1965 Plan

Selected Years, 1955-60, and 1965 Plan							Metric Tons	
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	145,000*	136,000*	205,000*	212,000*	207,000*	N.A.*		
US ^c	3,454*	10,650*	12,975*	10,139*	10,176*	10,000*		
COMMUNIST COUNTRIES								
Soviet Bloc	46,100	59,600	71,700	81,700	89,800	98,700		
USSR	46,000	59,400	71,500	81,500	89,600	98,500	115,000 ^d	
European Satellites..	130	178	222	220	220	220		
East Germany....	130	178	222	220	220	220	4,300*	
Far East								
North Korea	0*	0*	200*	250*	300*	300*		
Other Communist Countries								
Cuba ^e	13,733*	17,946*	14,700	17,858	22,292	21,304*		
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Canada	90,718*	115,000*	Italy	60*	250*	UK	24,700*	38,332*
France	5,750*	10,662*	Norway	18,498*	29,202*	West Germany.	2,308*	3,223*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to production of refined metal.

^b NATO totals include only data for the US and those NATO Countries that are listed under "Other NATO Countries."

^c Nickel recovered from refined domestic ore and nickel recovered as a byproduct of electrolytic refining of copper. Secondary nickel produced from nonferrous scrap is excluded.

^d Estimated plan for 1965.

^e Nickel content of oxides and sulfides.

^f Production of nickel for Canada (refined nickel, nickel in oxide produced, and recoverable nickel in matte exported) was as follows (in metric tons): for 1955, 158,700; for 1958, 126,600; for 1960, 194,600; for 1961, 211,400; and for 1962, 215,000. Much of this production is exported for refining in other countries, especially the UK and Norway.

SECRET

117

CHROMITE

SECRET

Table 104

Production of Chromite *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons							
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	375*	309*	278*	256*	274*	207*	
US ^c	53.7*	52.0*	36.4* ^d	28.6* ^d	0*	0*	
COMMUNIST COUNTRIES ^e							
Soviet Bloc.....	351	368	520	545	588	659	
USSR.....	304.0	367.5	519.5	544.8	588.0	658.8	735.0 ^f
European Satellites..	47.1	N.A.	N.A.	0	0	0	
Bulgaria.....	3.0	N.A.	N.A.	0 ^g	0 ^g	0 ^g	
Rumania.....	44.1	0 ^h	0 ^h	0 ^h	0 ^h	0 ^h	
Far East							
North Vietnam....	0	2.8	9.7	14.8	16.3	15.2	
Other Communist Countries							
Albania.....	54.9	90.6	130.1	104.6	113.1	N.A.	
Cuba.....	27.8*	27.0*	10.0* ⁱ	14.2	50.5	56.6*	
Yugoslavia.....	31.2*	29.9*	25.4*	28.1*	24.3*	23.4*	
Other NATO Countries							
	1955	1963		1955	1963		
Greece.....	10.1*	16.6*	Turkey.....	311.6*	190.0*		

* An asterisk indicates that the data are unclassified.

^a Data refer to the estimated chromic oxide (Cr₂O₃) content of the ores mined. In many instances, data are only approximate.

^b NATO totals include only data for the US, Greece, and Turkey.

^c Shipments.

^d Production for the Federal Government only.

^e The following percentages were used to reduce the estimates of the ores mined in the Communist countries to show the chromic oxide content: USSR, a part at 35 percent and the remainder at 40 percent; North Vietnam, at 50 percent; Albania and Rumania, at 45 percent; Cuba, at 35 percent; Bulgaria, at 30 percent; and Yugoslavia, at 25 percent.

^f Estimated plan for 1965.

^g There are indications that Bulgaria imports its chrome ore requirements—domestic production probably has ceased.

^h Production is believed to have ceased because reserves are not suitable for metallurgical use.

ⁱ US imports.

SECRET

MOLYBDENUM

Table 105

Production of Molybdenum ^a
Selected Years, 1955-63, and 1965 Plan

Selected Years, 1955-63, and 1965 Plan							Metric Tons
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	28,600*	19,200*	31,500*	30,800*	23,900*	30,600*	
US.....	28,023*	18,628*	30,952*	30,192*	23,244*	29,900*	
COMMUNIST COUNTRIES							
USSR.....	2,820	4,050	4,800	5,200	5,300	6,370	7,300 °
Far East							
Communist China..	1,250	3,800	N.A.	N.A.	N.A.	N.A.	
North Korea.....	100	160*	160*	175*	200*	200*	
Other NATO Countries							
	1955	1963		1955	1963		1955 1963
Canada.....	378*	450*	Norway.....	172*	261* ^d	Portugal.....	5* 0*
Other Countries							
	1955	1963		1955	1963		
Chile.....	1,278*	2,495*	Japan.....	199*	410*		

* An asterisk indicates that the data are unclassified.

^a Data refer to production of molybdenum content of ores and molybdenum concentrates.

^b NATO totals include only data for the US, Canada, Norway, and Portugal.

^c Estimated plan for 1965.

^d Data are for 1962 and are included in the NATO total for 1963.

SECRET

119

COBALT

SECRET

Table 106

Production of Cobalt ^a
Selected Years, 1955-63, and 1965 Plan

	Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
FREE WORLD COUNTRIES							
Canada ^b	1,505*	1,229*	1,619*	1,468*	1,561*	1,600*	
Congo ^c	8,544*	6,501*	8,323*	8,326*	9,630*	10,000*	
Morocco	758*	1,000*	1,271*	1,290*	1,436*	1,400*	
Northern Rhodesia ^c . . .	578*	935*	1,751*	1,543*	860*	900*	
US	1,183*	2,197*	N.A.*	N.A.*	N.A.*	N.A.*	
COMMUNIST COUNTRIES ^d							
USSR	935	1,200	1,640	1,840	2,155	2,520	3,450 ^e

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to the cobalt (Co) content of ores mined.

^b Metal, salts, and oxides recovered from smelter products plus cobalt contained in cobalt ore and residues exported.

^c Cobalt content of alloys.

^d Bulgaria began production of cobalt concentrates in 1956, but quantities are not known. Communist China is believed to be producing a negligible amount of cobalt concentrates.

^e Estimated plan for 1965.

SECRET

TUNGSTEN ORE

Table 107

Production of Tungsten Ore ^a
Selected Years, 1955-63

	Metric Tons					
	1955	1958	1960	1961	1962	1963
NATO COUNTRIES ^b	22,500*	6,930*	10,200*	11,200*	10,800*	N.A.*
US ^c	14,889*	3,436*	6,645*	7,480*	7,647*	N.A.*
COMMUNIST COUNTRIES						
Soviet Bloc.....	7,670	10,100	12,200	13,400	14,000	16,000
USSR.....	7,500	10,000	12,150	13,400	14,000	16,000
European Satellites..	167	149	0	0	0	0
East Germany.....	167 ^d	149	0	0	0	0
Far East						
Communist China..	20,000	30,000	34,000	N.A.	N.A.	N.A.
North Korea.....	1,864*	2,563*	3,015*	3,100*	3,900*	4,000
Other NATO Countries						
	1955	1962		1955	1962	
Canada.....	1,468*	0*	Italy.....	27*	1*	UK.....
France.....	1,379*	690*	Portugal.....	4,647*	2,500*	73*
Other Countries						
	1955	1962		1955	1962	
Australia....	2,508*	1,760*	Congo ^f	1,572* ^e	500*	Spain.....
Bolivia ^e	5,384*	2,538*	South Korea...	3,408*	6,920*	1,568*
Burma ^f	2,655*	800*				1,240*
						705*
						420*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to the estimated tonnage of tungsten concentrates, 60 percent tungsten trioxide (WO₃) basis.^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Shipments.^d Plan data.^e Exports.^f Including WO₃ in tin-tungsten concentrates.^g Including data for Ruanda-Urundi.

SECRET

121

REFINED COPPER

SECRET

Table 108

Production of Refined Copper *
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	2,410*	2,450*	2,850*	2,880*	2,920*	2,930*	
US ^c	1,436.1*	1,450.2*	1,642.6*	1,661.8*	1,725.8*	1,722.0*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	442 ^d	473 ^d	585	632	700	762	
USSR.....	377.3*	406.3*	490.0*	530.0*	590.0*	644.0*	772* ^e
European Satellites..	64.6 ^d	66.7 ^d	95.0	102	110	118	
Bulgaria.....	3.8* ^f	6.1* ^f	14.0*	15.0*	18.3*	20.0*	40.2*
Czechoslovakia....	5.0*	8.1*	10.1*	11.2*	12.3*	12.3*	15.7*
East Germany.....	33.3	32.5	39.2	38.8	39.5	40.0*	45.6
Hungary.....	7.8*	4.7*	6.0*	7.0*	8.0*	8.0*	
Poland.....	15.7*	17.4*	21.7*	22.2*	24.1*	29.6*	
Rumania.....	2.8	4.0	4.0	7.5	7.5	8.6	
Far East							
Communist China..	15.0*	34.0*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	1.8*	4.5*	8.5*	10.0	12.0	14.0	21* ^e
Other Communist Countries							
Albania ^f	0.9*	0.9*	0.9*	1.3*	1.9*	1.9*	5* ^h
Yugoslavia.....	24.8*	29.9*	35.1*	30.1*	45.5*	49.0*	

Other NATO Countries

	1955	1963		1955	1963		1955	1963
Belgium...	156.9*	271.5* ⁱ	Italy.....	26.9*	12.2*	Turkey.....	8.5*	14.2*
Canada....	262.6*	343.8*	Norway.....	10.8*	12.9*	UK.....	230.8*	213.9*
Denmark..	0.4*	Negl.*	Portugal....	Negl.*	4.6*	West Germany.....	260.2*	302.8*
France....	19.3*	32.5*						

Other Countries

	1955	1963		1955	1963		1955	1963
Chile.....	240.7*	259.0*	India.....	7.4*	9.6*	Northern Rhodesia..	179.9*	439.1*
Congo.....	114.8*	136.1* ⁱ	Japan.....	113.3*	297.3*			

* An asterisk indicates that the data are unclassified.

* Unless otherwise indicated, data refer to primary and secondary refined copper produced from domestic and imported ores and scrap.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Including production from secondary plants and copper refined by manufacturers for their own use.^d Bulgarian data for 1955 and 1958 are excluded from the totals because they refer to blister copper rather than refined metal.^e Estimated production for 1965.^f Blister copper.^g Plan data for 1967.^h Estimated plan for 1965.ⁱ Including alloys.^j Data are for 1962.

SECRET

PRIMARY ALUMINUM

Table 109

Production of Primary Aluminum *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	2,400*	2,510*	3,200*	3,070*	3,340*	3,630*		
US.....	1,420*	1,420*	1,828*	1,727*	1,921*	2,098*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	539	632	862*	987*	1,090*	1,190		
USSR.....	430*	510*	700*	800*	900*	1,000	1,450* ^c	
European Satellites..	109	122	162*	187*	190*	193*		
Czechoslovakia....	24*	26*	52*	53*	54*	56*		
East Germany.....	27	34	35*	35*	35*	35*	58* ^d	
Hungary.....	37*	40*	50*	51*	53*	55*	57*	
Poland.....	20*	22*	26*	48*	48*	47*	75*	
Rumania.....	0*	0*	0*	0*	0*	0*	25* ^e	
Far East								
Communist China..	10	49	N.A.	N.A.	N.A.	N.A.		
Other Communist Countries								
Yugoslavia.....	12*	22*	25*	27*	28*	36*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Canada.....	556*	680*	Italy.....	62*	91*	UK.....	25*	31*
France.....	129*	298*	Norway.....	72*	219*	West Germany.....	137*	209*
Other Countries								
	1955	1963		1955	1963			
India.....	7*	54*	Japan.....	58*	224*			

* An asterisk indicates that the data are unclassified.

* Data refer to production of primary (virgin) aluminum from domestic and imported ores.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Midpoint of the range of the estimated plan for 1965 of 1.4 million to 1.5 million metric tons.

^d Estimated production for 1965.

^e Midpoint of the range of the plan for 1965 of 20,000 to 30,000 metric tons.

SECRET

123

BAUXITE

SECRET

Table 110
Production of Bauxite
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^a	4,140*	4,320*	5,300*	4,890*	4,860*	5,230*		
US.....	1,817*	1,332*	2,030*	1,248*	1,391*	1,601*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	3,980*	4,320*	5,780*	7,440*	8,700	8,630		
USSR.....	2,700*	3,200*	4,500*	6,000*	7,200	7,270	11,500* ^b	
European Satellites..	1,280*	1,120*	1,280*	1,440*	1,500*	1,360		
Hungary.....	1,241*	1,049*	1,190*	1,366*	1,473*	1,362*	1,525*	
Rumania.....	37*	73*	88*	69*	30*	N.A.		
Far East								
Communist China ^c .	80	392	N.A.	N.A.	N.A.	N.A.		
Other Communist Countries								
Yugoslavia.....	791*	733*	1,025*	1,232*	1,332*	1,285*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
France.....	1,494*	2,003*	Italy.....	327*	269*	West Germany..	4*	5* ^d
Greece.....	500*	1,350*						
Other Countries								
	1955	1963		1955	1963		1955	1963
British Guiana...	2,474*	2,200*	Jamaica....	2,687*	7,854*	Surinam.....	3,123*	3,383*

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^b Midpoint of the range of the planned production for 1965 of 11 million to 12 million metric tons.

^c Including only aluminous shales and clays used for the manufacture of aluminum but excluding shales exported and those used for refractories, abrasives, and cement.

^d Data are for 1962 and are included in the NATO total for 1963.

SECRET

LEAD

Table 111

Smelter Production of Lead ^a
Selected Years, 1955-63, and 1965 Plan

Selected Years, 1955-63, and 1965 Plan						Thousand Metric Tons		
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	882*	906*	857*	928*	840*	869*		
US ^c	434.5*	425.8*	346.9*	407.8*	341.1*	363.6*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	326	386	440	455	479	494		
USSR.....	258.3*	288.5*	314.0*	326.5*	346.1*	356.0*	433* ^d	
European Satellites...	67.3	97.5	126	128	133	138		
Bulgaria.....	5.1*	26.1*	40.4*	40.9*	43.7*	51.0*	108.7*	
Czechoslovakia....	8.0*	9.1*	15.4*	15.8*	16.2*	16.2*	17.5*	
East Germany.....	8.9	9.5	10.4	11.3	11.6	11.6		
Hungary.....	<i>Negl.</i>	0.5	0.5	0.5	0.5	0.5	1* ^d	
Poland ^e	34.2*	35.8*	39.7*	39.8*	40.7*	38.9*	52.5*	
Rumania ^e	11.1*	16.5	20.0	20.0	20.0	20.0		
Far East								
Communist China..	16.0*	45.0*	<i>N.A.</i>	<i>N.A.</i>	<i>N.A.</i>	<i>N.A.</i>		
North Korea.....	9.4	19.0	34.0	40.0	43.0	47.0	61 ^f	
Other Communist Countries								
Yugoslavia.....	75.6*	84.3*	89.1*	90.4*	97.9*	104.2*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium ^g	82.8*	98.4*	Greece.....	2.5*	3.0*	Turkey.....	1.9*	1.6*
Canada.....	135.9*	140.6*	Italy.....	42.5*	41.9*	UK.....	6.2*	<i>Negl.*</i>
France.....	66.6*	77.6*	Portugal.....	2.0*	2.8* ^g	West Germany....	107.6*	139.7*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to smelter production of lead produced from domestic and imported ores and concentrates, excluding all metal produced from scrap (secondary metals).

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Refined lead produced from imported base bullion is not included.

^d Estimated plan for 1965.

^e Probably including some secondary metal.

^f Plan data for 1967.

^g Including secondary metal but excluding refined lead produced from imported base bullion.

SECRET

125

REFINED ZINC

SECRET

Table 112

Production of Refined Zinc ^a
 Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	1,900*	1,740*	1,850*	1,930*	1,920*	1,910*		
US ^c	934.0*	751.0*	787.7*	818.3*	853.3*	865.0*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	394	507	575	600	662	682		
USSR ^d	222.0*	315.0*	364.0*	377.0*	403.0*	419.0*	504* ^e	
European Satellites..	172	192	211	223	258	263		
Bulgaria.....	1.4*	8.2*	16.9*	22.1*	51.7*	56.0*	64.3*	
Czechoslovakia....	1.3*	1.7*	2.0*	2.2*	2.6*	3.0*	4.3*	
East Germany ^f	3.2	4.0	4.1	4.0	10.0	10.0	19.8 ^g	
Hungary.....	N.A.	0.4	0.4	0.4	0.4	0.4		
Poland.....	156.2*	162.6*	175.5*	182.0*	181.3*	181.2*	230*	
Rumania.....	10.0*	15.0*	12.5	12.5	12.5	12.5		
Far East								
Communist China..	13.0	29.0	N.A.	N.A.	N.A.	N.A.		
North Korea.....	0*	18.0*	55.0*	62.0*	66.0*	71.0*	88* ^h	
Other Communist Countries								
Yugoslavia.....	13.8*	31.2*	35.9*	36.9*	39.3*	42.2*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium...	211.9*	204.7*	Italy.....	73.6*	80.0*	UK.....	82.7*	100.6*
Canada....	233.7*	248.3*	Netherlands...	28.4*	35.8*	West Germany..	180.0*	165.7*
France....	109.1*	168.1*	Norway.....	45.5*	46.6*			
Other Countries								
	1955	1963		1955	1963			
Japan.....	112.5*	287.7*	Mexico.....	56.1*	55.8*			

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to electrolytic and distilled (including redistilled) zinc produced from domestic and imported ores and scrap and other secondary materials. Production of remelted zinc is not included.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Including production from secondary smelters. Production of primary zinc in the US was as follows (in metric tons): 1955, 874,100; 1958, 708,700; 1960, 725,300; 1961, 768,200; 1962, 797,800; and 1963, 811,900.

^d Primary metal only representing 75 to 80 percent of total production. For example, total production in 1963 was estimated to be 532,000 metric tons.

^e Estimated plan for 1965.

^f Annual production consists of zinc produced from scrap except for 150 to 200 metric tons before 1962, 1,600 metric tons in 1962, 6,100 metric tons in 1963, and 16,000 metric tons estimated for 1965.

^g Estimated production for 1965.

^h Estimated plan for 1967.

SECRET

PRIMARY TIN METAL

Table 113

Smelter Production of Primary Tin Metal ^a
Selected Years, 1955-63, and 1965 Plan

						Thousand Metric Tons		
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	89.3*	65.3*	56.4*	44.1*	39.7*	35.5*		
US.....	22.7*	5.3* ^c	13.7* ^c	8.6* ^c	5.6* ^c	3.0* ^c		
COMMUNIST COUNTRIES								
Soviet Bloc.....	13.2	16.7	18.8	19.6	20.4	21.3		
USSR.....	12.6*	15.9*	18.0*	18.8*	19.6*	20.5*	22* ^d	
European Satellites...	0.6	0.8	0.8	0.8	0.8	0.8		
East Germany *...	0.6	0.8	0.8	0.8	0.8	0.8		
Far East								
Communist China.	20.0	27.0	N.A.	N.A.	N.A.	N.A.		
North Vietnam....	0.1*	0.2	0.5*	0.6*	0.6*	N.A.		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium.....	10.6*	7.2*	Portugal.....	1.0*	0.6*	West Germany.....	0.3*	1.1*
Netherlands.....	27.0*	5.9*	UK.....	27.7* ^e	17.7*			
Other Countries								
	1955	1963		1955	1963			
Japan.....	0.9*	2.0*	Malaysia.....	71.8*	85.4*			

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to production of primary (virgin) metal and exclude tin derived from scrap or detinning.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Estimated data, based on the volume of imports of tin-in-concentrates.

^d Estimated plan for 1965.

^e Common commercial grade tin (99.0 percent).

^f Including some secondary tin metal.

SECRET

127

PRIMARY MAGNESIUM

SECRET

TITANIUM SPONGE METAL

Table 114

Production of Primary Magnesium *
Selected Years, 1955-63

	Thousand Metric Tons					
	1955	1958	1960	1961	1962	1963
NATO COUNTRIES ^b	79.3*	51.6*	64.9*	70.3*	97.6*	104*
US.....	55.5*	27.3*	36.4*	37.0*	62.6*	68.0*
COMMUNIST COUNTRIES						
Soviet Bloc.....	12.0	18.0	25.3	30.8	34.3	39.3
USSR.....	12.0	18.0	25.0	30.5	34.0	39.0
Hungary ^c	0*	0*	0.3*	0.3*	0.3*	0.3*

Other NATO Countries

	1955	1963		1955	1963		1955	1963
Canada.....	7.0*	7.9*	Italy.....	2.9*	5.7*	UK ^c	5.5*	3.8*
France.....	1.5*	2.2* ^d	Norway.....	6.7*	15.4*	West Germany.....	0.2*	0.5*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to production of primary (virgin) magnesium (ingots and ingot equivalent of other forms).^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Planned levels of production.^d Data are for 1962 and are included in the NATO total for 1963.^e Including remelt alloys.

Table 115

Production of Titanium Sponge Metal* in the US and the USSR
Selected Years, 1955-63, and 1965 Plan

	Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
US.....	6,711*	4,159*	4,818*	6,103*	6,105*	7,200*	
USSR.....	1,000	3,000	4,000	4,000	5,000	5,000	6,000 ^b

* An asterisk indicates that the data are unclassified.

^a Data refer to production of raw titanium in the form of sponge metal produced by the Kroll method from rutile or ilmenite concentrates.^b Estimated plan for 1965.

SECRET

METALLURGICAL EQUIPMENT

Table 116

Production of Metallurgical Equipment* in the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
COMMUNIST COUNTRIES							
Soviet Bloc.....	260*	294*	373*	398*	425*	N.A.	
USSR.....	172.1*	176.1*	218.3*	213.9*	240.1*	236.0*	200* ^b
European Satellites..	88.1*	118*	154*	184*	185*	N.A.	
Czechoslovakia....	37.3*	76.2*	90.7*	109.0*	112.0*	N.A.	183*
East Germany °...	24.3*	14.5*	15.9*	16.9*	17.4*	N.A.	
Poland.....	22.9*	12.1*	21.7*	31.3*	28.0*	32.4*	51*
Rumania.....	3.6*	15.3*	26.0*	27.0*	27.5*	33.3*	
Far East							
Communist China..	11.5*	110.0* ^d	N.A.	N.A.	N.A.	N.A.	

* An asterisk indicates that the data are unclassified.

° Data refer to rolling mills; mechanical equipment for coke, blast, and smelting furnaces; mixers; crushers; grinding mills for ore and coal; agglomeration installations; and special hoist-transport mechanisms for metallurgical shops. Equipment for nonferrous shops is believed to be included but probably amounts to only a small percentage of the total physical volume. Data are not available for the US in terms of metric tons. Expenditures in the US in current US dollars for new machinery and equipment for blast furnaces, steel mills, and nonferrous metal-producing facilities are as follows: for 1950, US \$354 million; for 1955, US \$522 million; for 1956, US \$950 million; and for 1957, US \$1,331 million. Data for later years are not available.

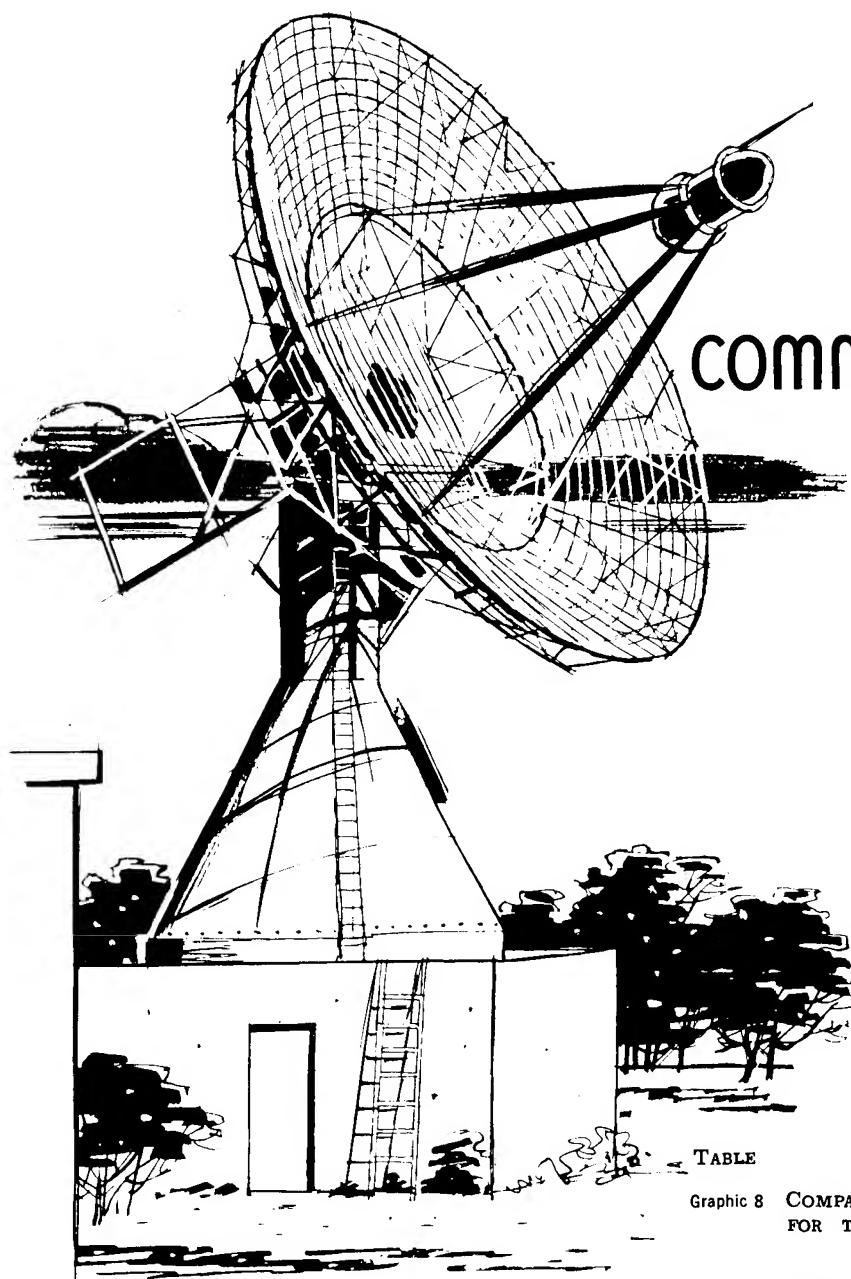
^b Lower limit of the range of planned production for 1965 of 200,000 to 220,000 metric tons. The plan for 1965 is for rolling mill equipment only, which normally constitutes 50 to 60 percent of all metallurgical equipment produced in the USSR.

° Rolling mill equipment only. Production data are not available for all metallurgical equipment.

^d Including large quantities of small-scale equipment not normally produced in other Communist countries.

SECRET

129



COMMUNICATIONS

TABLE

PAGE

Graphic 8 COMPARATIVE DATA ON COMMUNICATIONS
FOR THE US AND USSR (*Preceding page 131*)

117.	TELEPHONES IN USE	131
118.	LONG-DISTANCE TELEPHONE CALLS AND TELEGRAMS SENT	132
119.	DOMESTIC STATIONS IN THE TELEX NETWORK	133
PRODUCTION OF EQUIPMENT		
120.	ELECTRON TUBES	134
121.	RADIO RECEIVERS	134
122.	TELEVISION RECEIVERS	135
INVENTORY OF EQUIPMENT		
123.	RADIO AND TELEVISION RECEIVERS IN PUBLIC USE	136

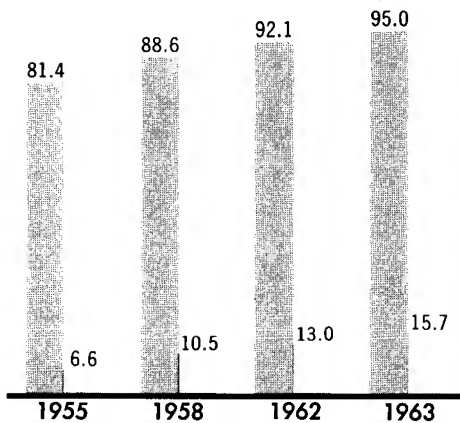
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Graphic 8

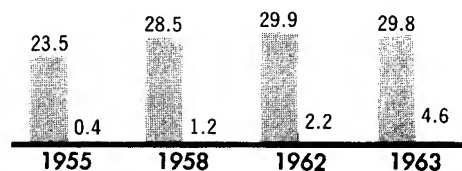
COMPARATIVE DATA ON COMMUNICATIONS FOR THE US AND THE USSR SELECTED YEARS, 1955-63

■ US
■ USSR

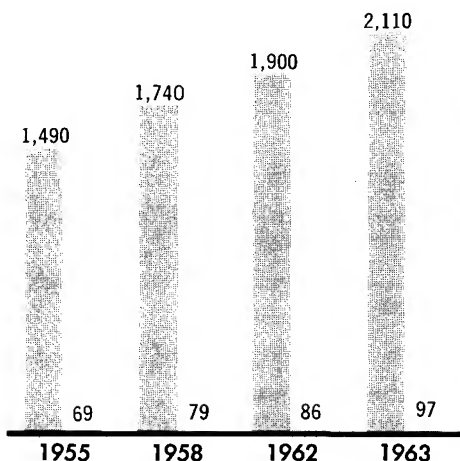
RADIO SETS IN USE
(Units per Hundred Persons)



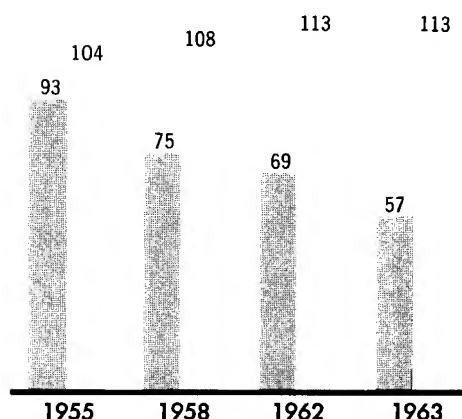
TELEVISION SETS IN USE
(Units per Hundred Persons)



LONG-DISTANCE TELEPHONE CALLS
(Units per Hundred Persons)



TELEGRAMS SENT
(Units per Hundred Persons)



SECRET

GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

SECRET

TELEPHONES IN USE

Table 117

Number of Telephones in Use ^a
Selected Years, 1955-63, and 1965

	Thousand Telephones						
	1955	1958	1960	1961	1962	1963	1965 ^b
NATO COUNTRIES ^c	81,000*	96,400*	108,000*	113,000*	119,000*	N.A.*	
US.....	56,436*	66,888*	74,342*	77,422*	80,969*	84,000*	
COMMUNIST COUNTRIES ^d							
Soviet Bloc.....	4,550*	5,560*	6,500*	7,030*	7,610*	8,240*	
USSR.....	1,932*	2,370*	2,697*	2,932*	3,215*	3,550*	4,300*
European Satellites..	2,620*	3,190*	3,800*	4,100*	4,400*	4,690*	
Bulgaria.....	112*	140*	172*	190*	206*	222*	250*
Czechoslovakia....	662*	790*	1,016*	1,114*	1,206*	1,294*	1,500*
East Germany.....	1,042*	1,175*	1,292*	1,366*	1,436*	1,508*	1,650*
Hungary ^e	183*	221*	243*	255*	266*	277*	300*
Poland.....	475*	689*	881*	957*	1,045*	1,127*	1,300*
Rumania ^e	145*	174*	201*	217*	237*	260*	300*
Far East							
Communist China ^e ..	399*	629*	N.A.	N.A.	N.A.	N.A.	
North Korea ^e	17*	28*	51*	56*	61*	66*	76*
North Vietnam ^e ...	2	4	6	6	7	8	9
Other Communist Countries							
Albania.....	4*	4*	7*	8*	9*	10*	12*
Yugoslavia.....	161*	218*	260*	276*	303*	325*	370*
Cuba.....	142*	170*	200*	208*	217*	N.A.	

Other NATO Countries

	1955	1962		1955	1962		1955	1962
Belgium.....	878*	1,285*	Iceland.....	27*	45*	Portugal.....	256*	455*
Canada.....	4,149*	6,330*	Italy.....	2,329*	4,655*	Saar.....	55*	N.A.*
Denmark....	897*	1,194*	Luxembourg...	32*	63*	Turkey.....	139*	264*
France.....	3,117*	4,978*	Netherlands...	1,117*	1,888*	UK ^f	6,880*	8,911*
Greece.....	122*	303*	Norway.....	588* ^g	808*	West Germany...	3,985*	7,047*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to both private and public telephones in use that can be connected to a central exchange. Data for the Communist countries may differ from the previous *Handbook* because these data insofar as possible now refer to telephones in use. The previous *Handbook* carried telephone subscribers for most of the Communist countries.

^b Estimated number for 1965.

^c NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^d Data for the Communist countries include only telephones operated by the various civil departments of post and telecommunications and exclude telephones serviced by other functional ministries and the military.

^e Telephone subscribers.

^f Data are as of midyear.

^g Data are as of 31 March of the following year.

SECRET

131

132

SECRET

Table 118

Number of Long-Distance Telephone Calls and Telegrams Sent ^a
Selected Years, 1955-63

	Million Telephone Calls					Million Telegrams Sent								
	1955	1958	1960	1962	1963	1955	1958	1960	1962	1963				
NATO COUNTRIES ^b	4,930*	6,190*	7,320* ^c	8,420*	N.A.*	294*	264*	248*	238*	N.A.*				
US.....	2,479.0*	3,042.5*	3,427.0*	3,771.0*	4,000*	153.9*	131.9*	124.3*	112.5*	108.0*				
COMMUNIST COUNTRIES														
Soviet Bloc.....	521*	588*	671*	737*	785*	247*	269*	292*	307*	311*				
USSR.....	135.0*	163.0*	185.0*	210.0*	219.0*	203.0*	223.0*	241.0*	252.0*	254.0*				
European Satellites.....	386*	425*	486*	527*	566*	43.9*	46.2*	50.5*	54.8*	57.4*				
Bulgaria.....	29.9*	27.8*	31.7*	34.0*	35.7*	6.1*	6.2*	6.6*	7.1*	7.4*				
Czechoslovakia.....	71.6*	84.0*	100.6*	107.3*	112.2*	9.7*	10.1*	11.6*	13.0*	13.8*				
East Germany.....	127.5*	148.3*	167.4*	178.2*	200.5*	7.6*	8.6*	10.3*	10.7*	11.2*				
Hungary.....	25.2*	26.0*	30.5*	32.0*	33.2*	5.7*	6.5*	7.4*	8.0*	8.4*				
Poland ^d	97.0*	95.3*	108.0*	118.7*	123.0*	10.3*	10.1*	10.0*	10.7*	10.9*				
Rumania.....	34.9*	43.9*	47.8*	56.4*	61.0*	4.5*	4.7*	4.6*	5.3*	5.7*				
Far East														
Communist China ^d	54.9*	84.3	N.A.	N.A.	N.A.	17.0	22.0	N.A.	N.A.	N.A.				
North Korea.....	7.7*	10.3*	14.5*	18.7*	20.8*	0.8* ^e	1.0*	1.4*	2.2*	2.5*				
North Vietnam.....	1.0	1.7	3.3	4.9	5.7	1.2	1.0	1.4	1.5	1.5				
Other Communist Countries														
Albania.....	1.1*	1.5*	1.8*	2.1*	2.3*	0.9*	0.9*	1.0*	1.0*	1.0*				
Cuba.....	6.0*	6.7*	8.6*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.				
Yugoslavia.....	20.4*	26.4*	33.2*	34.7*	38.1*	3.9*	5.6*	7.3*	8.7*	9.6*				
Other NATO Countries														
Telephone Calls					Telegrams Sent					Million Units				
1955		1962		1955	1962	1955		1962		1955	1962			
Belgium..	83.7*	149.9*	4.2*	3.2*	Iceland.....	1.7*	2.9*	0.3*	0.3*	Portugal.....	43.3*	52.4*	2.2*	2.4*
Canada...	153.1*	244.4*	17.4* ^f	12.6* ^f	Italy.....	233.0*	612.0*	34.4* ^g	38.8* ^g	Turkey.....	8.5*	17.7*	10.0*	9.1*
Denmark..	171.8*	290.8*	1.5* ^h	1.7* ^h	Luxembourg..	N.A.*	N.A.*	0.2*	0.2*	UK.....	335.1*	549.3*	20.5*	12.7*
France...	531.8*	725.4*	16.3* ^b	14.3*	Netherlands..	264.6*	555.8*	2.6*	2.2*	West Germany.	558.3*	1,372.3*	20.5* ⁱ	19.6* ⁱ
Greece...	6.2*	17.1*	5.0*	5.1*	Norway.....	57.7* ^j	61.4*	4.7* ^j	3.3* ^j					

TELEPHONE CALLS AND TELEGRAMS SENT SECRET

* An asterisk indicates that the data are unclassified.
^a Unless otherwise indicated, data refer to domestic telephone calls and telegrams, excluding international communications.
^b NATO totals include only data for the US and those NATO countries listed under "Other NATO Countries."
^c Including data for 1959 for Iceland.
^d Including domestic and international telegrams.

^e Data are for 1956.
^f All telegrams sent by land are counted as domestic.
^g Data are for the year beginning 1 April of the stated year.
^h Including data for Algeria.
ⁱ Data are for the year beginning 1 July of the previous year.
^j Including telegrams sent to or received from East Germany and East Berlin. Data are for the year beginning 1 April of the stated year.

SECRET

TELEX NETWORK

Table 119

Number of Domestic Stations in the Subscriber Telegraph (TELEX) Network ^a
in the US and the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	1955	1958	1960	1961	1962	1963	Units 1965 Plan
US ^b	38,946*	47,534*	55,213*	58,607*	59,565*	64,950*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	N.A.	6,010	12,300*	15,700*	19,200*	N.A.	
USSR.....	1,000*	1,600*	6,900*	9,500*	12,100*	14,700*	20,000*
European Satellites..	N.A.	4,410	5,410*	6,180*	7,080*	N.A.	
Bulgaria.....	0	15* ^c	34*	105*	118*	147*	200* ^d
Czechoslovakia....	N.A.	1,300	1,476*	1,601*	1,725*	1,850*	2,100*
East Germany.....	1,284*	2,272*	2,837*	3,252*	3,529*	4,353*	6,000*
Hungary.....	279*	347*	416*	453*	533*	592*	700* ^d
Poland.....	270*	435*	562*	681*	800*	1,000*	1,200* ^d
Rumania.....	N.A.	38*	85*	85*	372*	N.A.	
Other Communist Countries							
Yugoslavia.....	180*	380*	449*	480*	912*	N.A.	

* An asterisk indicates that the data are unclassified.

^a Service to the subscriber is a two-way service in which a subscriber is provided with a teletype machine connected to a switchboard of a local subscriber telegraph exchange. The data differ from the previous *Handbook* because they now refer to domestic stations, whereas previously domestic subscribers were presented. For the Communist Countries the number of stations is generally about the same as the number of subscribers.

^b In the US the domestic subscriber telegraph network usually is known as TWX rather than TELEX.

^c Plan data.

^d Estimated number for 1965.

SECRET

133

ELECTRON TUBES
RADIO RECEIVERS

SECRET

Table 120

Production of Electron Tubes in the US and the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Million Units						
	1955	1958	1960	1961	1962	1963	1965 Plan
US ^a	479.8*	397.4*	393.1*	375.0*	361.2*	338.4*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	100	152	175	200	224	244	
USSR.....	76.6*	110.0*	125.0*	147.0*	160.0	170.0	
European Satellites..	23.6	41.6	49.7	52.5	63.5	73.5	
Czechoslovakia....	4.3*	9.5*	10.4*	11.3*	14.8*	18.0*	24* ^b
East Germany.....	9.5	16.2	20.5	19.0	21.5	24.2	30 ^b
Hungary.....	7.0*	8.9*	11.4*	12.8*	14.4*	16.3*	
Poland.....	2.6*	6.0*	7.4*	9.4*	12.8*	15.0*	19*
Rumania.....	0.2	1.0	N.A.	N.A.	N.A.	N.A.	
Far East							
Communist China..	0.3	10.0	N.A.	N.A.	N.A.	N.A.	

* An asterisk indicates that the data are unclassified.

^a Producers' sales, including only those tubes manufactured for civilian use.^b Estimated plan for 1965.

Table 121

Production of Radio Receivers ^a
Selected Years, 1955-63, and 1965 Plan

	Thousand Units						
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	22,500*	21,600*	29,800*	31,800*	33,600*	N.A.*	
US.....	14,526*	12,548*	17,969*	18,384*	20,456*	19,732*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	5,370*	6,440*	6,370*	6,430*	6,950*	N.A.	
USSR.....	3,549*	3,902*	4,165*	4,228*	4,251*	4,802*	6,000*
European Satellites...	1,820*	2,540*	2,200*	2,200*	2,700*	N.A.	
Bulgaria.....	66*	131*	157*	146*	175*	230* ^c	
Czechoslovakia....	102*	309*	230*	217*	289*	300*	330*
East Germany.....	725*	718*	810*	796*	1,075*	N.A.	
Hungary.....	377*	453*	212*	245*	258*	169*	
Poland.....	461*	790*	627*	589*	654*	700*	
Rumania.....	89*	139*	167*	211*	251*	300*	300*
Far East							
Communist China..	100*	1,500*	N.A.	N.A.	N.A.	N.A.	

Other NATO Countries

	1955	1962		1955	1962		1955	1962
Belgium.....	N.A.*	1,059*	France.....	1,228*	2,672*	UK.....	2,142*	2,977*
Canada ^d	610*	689*	Italy.....	708*	1,528*	West Germany...	3,124*	3,938*
Denmark.....	95*	188* ^e	Norway ^f ...	109*	128* ^e			

* An asterisk indicates that the data are unclassified.

^a Data refer to civilian radio receivers and include radio-phonograph combinations.^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Plan data.^d Producer sales.^e Data are for 1961 and are included in the NATO total for 1962.^f Receiving sets for home use only.

SECRET

TELEVISION RECEIVERS

Table 122

Production of Television Receivers *
Selected Years, 1955-63, and 1965 Plan

Selected Years, 1955-63, and 1965 Plan								Thousand Units
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	10,900*	9,740* ^c	12,200*	11,700*	12,500*	N.A.*		
US.....	7,757*	4,920*	5,708*	6,178*	6,471*	7,130*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	551*	1,390*	2,720*	3,090*	3,500*	4,000*		
USSR.....	495*	979*	1,726*	1,949*	2,168*	2,474*	3,300*	
European Satellites..	56*	408*	989*	1,140*	1,330*	1,520*		
Bulgaria.....	0*	Negl.*	Negl.*	5*	15*	30* ^d		
Czechoslovakia....	17*	134*	263*	334*	307*	234*	300* ^e	
East Germany.....	39*	180*	416*	374*	461*	580*	760*	
Hungary.....	Negl.*	37*	139*	178*	210*	249*		
Poland.....	Negl.*	57*	171*	231*	299*	350*	440*	
Rumania.....	Negl.*	Negl.*	Negl.*	15*	41*	80*	130*	
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Belgium.....	N.A.*	304*	France....	186*	992*	UK.....	1,771*	1,463*
Canada ^f	764*	420*	Italy.....	90*	850*	West Germany.....	316*	1,701*
Denmark....	12*	200* ^g	Norway...	0*	56*			

* An asterisk indicates that the data are unclassified.

^a Data refer to monochrome receivers only.

^b Unless otherwise indicated, NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Excluding data for Belgium. (See footnote ^b, above.)

^d Plan data.

^e Estimated production for 1965.

^f Producer sales.

^g Data are for 1961 and are included in the NATO total for 1962.

SECRET

135

Table 123
Radio and Television Receivers in Public Use
Selected Years, 1955-63

	Thousand Radio Receivers *						Thousand Television Receivers					
	1955	1958	1960	1961	1962	1963	1955	1958	1960	1961	1962	1963
NATO COUNTRIES ^b	192,000*	223,000*	239,000*	245,000*	253,000*	273,000*	47,000*	67,200*	79,700*	86,000*	90,700*	95,800*
US.....	135,000*	155,000*	166,500*	170,000*	176,600*	180,000*	39,000*	49,800*	54,000*	55,500*	56,300*	56,400*
COMMUNIST COUNTRIES												
Soviet Bloc.....	24,700*	36,300*	44,400*	47,800*	50,800*	53,900*	870	3,260*	7,220*	10,000*	13,000*	16,700*
USSR.....	13,000*	21,700*	27,800*	30,500*	32,800*	35,200*	823*	2,500*	4,800*	6,500*	8,300*	10,400*
European Satellites...	11,700*	14,600*	16,600*	17,300*	18,000*	18,700*	47	763*	2,420*	3,500*	4,710*	6,250*
Bulgaria.....	327*	587*	868*	1,013*	1,127*	1,226*	0*	Negl.*	3*	11*	31*	66*
Czechoslovakia.....	2,839*	3,055*	3,103*	3,140*	3,132*	3,126*	32*	328*	795*	1,089*	1,356*	1,578*
East Germany.....	5,009*	5,378*	5,574*	5,602*	5,670*	5,730*	14*	318*	1,035*	1,459*	1,892*	2,595*
Hungary.....	1,173*	1,699*	1,969*	2,065*	2,214*	2,363*	Negl.	16*	104*	206*	325*	480*
Poland.....	1,649*	2,902*	3,796*	4,064*	4,243*	4,521*	Negl.*	85*	426*	648*	959*	1,296*
Rumania.....	654*	1,003*	1,283*	1,403*	1,568*	1,712*	Negl.	16*	55*	88*	149*	237*
Far East												
Communist China..	1,700	3,400	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
North Korea.....	81*	116*	149*	186*	209*	233*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
North Vietnam.....	N.A.	300*	370*	405*	440*	475*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Other Communist Countries												
Albania.....	20*	32*	40*	44*	48*	52*	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Cuba.....	1,250* ^c	1,300*	1,300*	1,300*	1,300*	1,300*	160*	350*	500*	400*	400*	500*
Yugoslavia.....	592*	1,088*	1,562*	1,826*	2,078*	2,323*	N.A.	7*	30*	62*	126*	251*

Other NATO Countries

Thousand Units														
Radio		Television		Radio		Television		Radio		Television				
1955	1963	1955	1963	1955	1963	1955	1963	1955	1963	1955	1963			
Belgium..	1,995*	3,040*	70*	1,234*	Iceland.....	41*	75*	N.A.*	3*	Portugal.....	479*	1,220*	N.A.*	118*
Canada...	5,900*	10,400*	2,000*	4,655*	Italy.....	5,848*	10,025*	250*	4,454*	Saar.....	234*	N.A.* ^d	1*	N.A.* ^d
Denmark..	1,348*	1,547*	7*	925*	Luxembourg..	81*	105*	Negl.*	14*	Turkey.....	999*	1,867*	Negl.*	1*
France...	9,527*	16,455*	250*	4,250*	Netherlands..	2,163*	3,141*	60*	1,565*	UK.....	13,170*	25,000*	5,100*	13,389*
Greece...	490*	1,270*	N.A.*	N.A.*	Norway.....	948*	1,353*	Negl.*	292*	West Germany..	13,325*	17,200* ^d	260*	8,539* ^d

* An asterisk indicates that the data are unclassified.

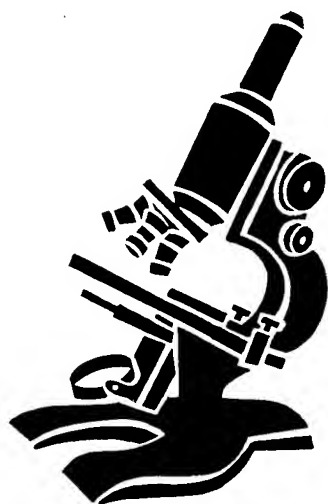
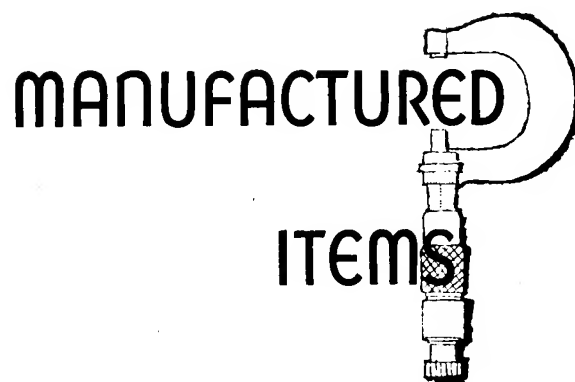
^a Data refer to the number of radio receivers in use or licenses issued and exclude wired loudspeakers.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Data are for 1956.

^d Data for the Saar are included with West Germany.

^e Licenses issued for combined sound-television receivers.



TABLE

PAGE

Graphic 9 COMPARATIVE DATA ON CONSUMER
GOODS FOR THE US AND THE USSR
(*Preceding page 137*)

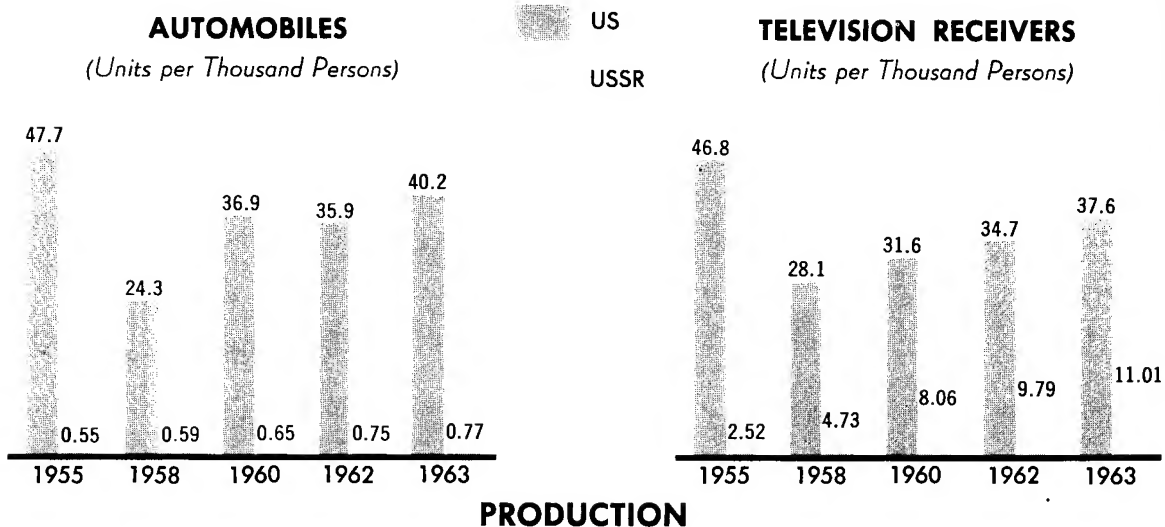
124. PRODUCTION OF SELECTED CONSUMER GOODS	137
125. CONSUMPTION OF SELECTED CONSUMER GOODS	138
126. COTTON YARN	139
127. WOOLEN YARN	140
128. RAYON YARN AND SYNTHETIC FIBERS	141
129. LEATHER FOOTWEAR	141
130. METALCUTTING MACHINE TOOLS	142
131. METALFORMING MACHINE TOOLS	143
132. ELECTRIC MOTORS	143
133. VALUE OF CONSTRUCTION	144
134. TOTAL HOUSING CONSTRUCTION	145
135. CEMENT	146
136. INVENTORY OF NAVAL SHIPS, BY TYPE	147
137. CONSTRUCTION OF NAVAL SHIPS, BY TYPE	148
138. PRODUCTION OF MILITARY AIRCRAFT, BY TYPE	149



SECRET

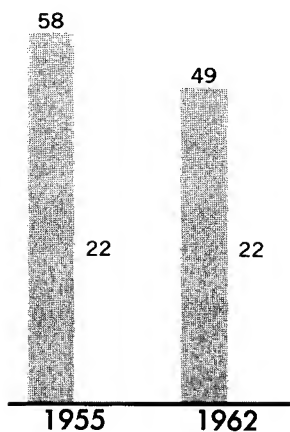
Graphic 9

COMPARATIVE DATA ON CONSUMER GOODS FOR THE US AND USSR Selected Years, 1955-63



APPARENT CONSUMPTION OF CONSUMER GOODS PER CAPITA

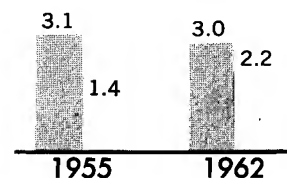
COTTON FABRIC
(Square Meters)



WOOL FABRIC
(Square Meters)



LEATHER FOOTWEAR
(Pairs)



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SECRET

GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

SECRET

SELECTED CONSUMER GOODS

Table 124

Production of Selected Consumer Goods in the US and the USSR
Selected Years, 1955-63

Product and Country	1955	1958	1960	1961	1962	1963
Production (Thousand Units)						
Automobiles						
US ^a	7,920.2*	4,257.8*	6,674.8*	5,542.7*	6,704.8*	7,621.0*
USSR ^b	107.8*	122.2*	138.8*	148.9*	165.9*	173.1*
Radio receivers						
US ^c	14,526*	12,548*	17,969*	18,384*	20,456*	19,732*
USSR.....	3,549*	3,902*	4,165*	4,228*	4,251*	4,802*
Refrigerators						
US ^d	4,200.0*	3,116.7*	3,475.0*	3,480.0*	3,775.0*	4,125.0*
USSR.....	151.4*	359.6*	529.5*	686.5*	837.8*	911*
Television receivers						
US.....	7,757*	4,920*	5,708*	6,178*	6,471*	7,130*
USSR.....	495*	979*	1,726*	1,949*	2,168*	2,474*
Washing machines						
US ^d	4,236.6*	3,672.3*	3,274.2*	3,347.2*	3,665.5*	3,952.0*
USSR.....	87.0*	463.7*	895.5*	1,285.6*	1,797.0*	2,282*
Unit Production per Thousand Persons ^e						
Automobiles						
US.....	47.7*	24.3*	36.9*	30.2*	35.9*	40.2*
USSR.....	0.55*	0.59*	0.65*	0.68*	0.75*	0.77*
Radio receivers						
US.....	87.6*	71.7*	99.4*	100.1*	109.6*	104.2*
USSR.....	18.1*	18.9*	19.4*	19.4*	19.2*	21.4*
Refrigerators						
US.....	25.3*	17.8*	19.2*	18.9*	20.2*	21.8*
USSR.....	0.77*	1.74*	2.47*	3.15*	3.78*	4.05*
Television receivers						
US.....	46.8*	28.1*	31.6*	33.6*	34.7*	37.6*
USSR.....	2.52*	4.73*	8.06*	8.94*	9.79*	11.01*
Washing machines						
US.....	25.5*	21.0*	18.1*	18.2*	19.6*	20.9*
USSR.....	0.44*	2.24*	4.18*	5.90*	8.12*	10.16*

* An asterisk indicates that the data are unclassified.

^a Factory sales, including parts shipped abroad for assembly.

^b Including jeeps.

^c Including radio-phonograph combinations.

^d Producer sales.

^e Based on midyear population.

SECRET

137

CONSUMPTION OF SELECTED PRODUCTS

SECRET

Table 125

Apparent Consumption of Selected Products of Light Industry
and of Consumer Durable Goods in the US and the USSR
Selected Years, 1955-62

Product, Unit of Measure, and Country	1955	1958	1961	1962
Apparent Consumption ^a				
Cotton fabric (million square meters)				
US.....	9,613*	8,479*	8,792*	9,114*
USSR.....	4,337*	4,203*	4,776*	4,843*
Wool fabric (million square meters)				
US.....	474*	414*	442*	476*
USSR.....	334*	403*	484*	494*
Leather footwear ^b (million pairs)				
US.....	512*	528*	533*	563*
USSR.....	272*	381*	468*	482*
Refrigerators (thousand units)				
US ^c	3,839*	2,746*	3,238*	3,557*
USSR.....	151*	347*	664*	788*
Washing machines (thousand units)				
US ^c	4,154*	3,584*	3,253*	3,576*
USSR.....	87*	464*	1,286*	1,797*
Consumption per Capita ^d				
Cotton fabric (square meters)				
US.....	58*	48*	48*	49*
USSR.....	22*	20*	22*	22*
Wool fabric (square meters)				
US.....	2.9*	2.4*	2.4*	2.6*
USSR.....	1.7*	1.9*	2.2*	2.2*
Leather footwear (pairs)				
US.....	3.1*	3.0*	2.9*	3.0*
USSR.....	1.4*	1.8*	2.1*	2.2*
Distribution per Thousand Persons ^d				
Refrigerators (units)				
US.....	23.1*	15.7*	17.6*	19.1*
USSR.....	0.8*	1.7*	3.0*	3.6*
Washing machines (units)				
US.....	25.0*	20.5*	17.7*	19.2*
USSR.....	0.4*	2.2*	5.9*	8.1*

* An asterisk indicates that the data are unclassified.

^a Data are derived by subtracting exports from and adding imports to production.

^b Including footwear with leather or mainly leather uppers and exclude slippers and rubber footwear.

^c Producer sales.

^d Based on midyear population.

SECRET

SECRET

COTTON YARN

Table 126

Production of Cotton Yarn ^a
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	3,240*	3,220*	3,450*	3,390*	3,340*	3,230*		
US.....	1,700*	1,655*	1,788*	1,754*	1,789*	1,713*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	1,420*	1,490*	1,650*	1,680*	1,730*	N.A.		
USSR.....	1,038*	1,063*	1,169*	1,165*	1,192*	N.A.		
European Satellites..	378*	423*	482*	517*	538*	541*		
Bulgaria.....	30*	36*	49*	50*	53*	56*		
Czechoslovakia....	76*	94*	102*	106*	110*	107*	120 °	
East Germany.....	63*	64*	73*	80*	83*	80*		
Hungary.....	47*	46*	53*	57*	60*	64*		
Poland.....	115*	135*	153*	164*	163*	160*	198*	
Rumania.....	46*	47*	52*	60*	70*	70*		
Far East								
Communist China..	720*	1,107*	N.A.	580	580	610		
North Korea.....	7*	17*	N.A.	N.A.	N.A.	N.A.		
North Vietnam	Negl.*	9*	10*	12	12*	12*		
Other Communist Countries								
Yugoslavia ^d	38*	45*	51*	55*	69*	75*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Belgium ^e ..	108*	94*	Greece.....	24*	28*	Portugal.....	45*	62*
Canada....	67*	73*	Italy.....	153*	194*	Turkey.....	67*	94* ^f
Denmark..	7*	8*	Netherlands...	70*	73*	UK.....	356*	222*
France....	265*	286*	Norway.....	5*	5*	West Germany.	373*	373*
Other Countries								
	1955	1963		1955	1963			
India.....	740*	892*	Japan.....	418*	483*			

* An asterisk indicates that the data are unclassified.

^a Data refer basically to cotton yarn but may include mixed yarn and some tire-cord yarn.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Estimated production for 1965.

^d Including yarn of synthetic fibers.

^e Including data for Luxembourg.

^f Data are for 1962 and are included in the NATO total for 1963.

SECRET

139

WOOLEN YARN

SECRET

Table 127

Production of Woollen Yarn * in NATO and Selected Communist Countries
Selected Years, 1955-63

					Thousand Metric Tons			
	1955	1958	1960	1961	1962	1963		
NATO COUNTRIES ^b	1,050*	1,010*	1,150*	1,140*	1,180*	N.A.*		
US ^c	316.9*	294.3*	308.4*	303.3*	334.8*	329.3*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	312*	363*	404*	421*	434*	N.A.		
USSR.....	167.5*	201.4*	221.3*	231.7*	241.1*	N.A.		
European Satellites.....	144*	162*	183*	189*	193*	N.A.		
Bulgaria ^d	9.4*	11.7*	16.4*	15.5*	16.3*	17.2*		
Czechoslovakia ^d	32.2*	37.2*	39.3*	41.1*	42.0*	N.A.		
East Germany ^d	19.5*	25.7*	34.7*	35.0*	34.8*	N.A.		
Hungary.....	13.4*	13.1*	14.9*	15.6*	16.6*	16.7*		
Poland.....	52.0*	56.5*	58.5*	60.3*	62.4*	59.6*		
Rumania.....	17.7*	17.5*	19.4*	21.9*	20.5*	22.6*		
Far East								
Communist China.....	3.7*	9.5*	N.A.	N.A.	N.A.	N.A.		
Other Communist Countries								
Yugoslavia.....	10.7*	16.7*	20.6*	19.8*	19.3*	26.3*		
Other NATO Countries								
	1955	1962	1955	1962	1955	1962		
Belgium ^e	41.6*	59.1*	Greece.....	5.6*	203.4*	Portugal.....	9.2*	12.5*
Canada.....	19.8*	18.7* ^f	Italy.....	118.6*	30.2*	Turkey.....	8.2*	9.5*
Denmark....	5.4*	5.4*	Netherlands....	29.0*	7.9*	UK.....	244.4*	234.6*
France.....	129.0*	145.2*	Norway.....	7.4*	5.2*	West Germany....	114.6*	114.1*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to wool yarn and may include mixed yarn.^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Beginning April 1960, incomplete coverage; series not completely comparable with data for 1955 and 1958.^d Excluding mixed yarn.^e Including data for Luxembourg.^f Data are for 1961 and are included in the NATO total for 1962.

SECRET

RAYON YARN AND SYNTHETIC FIBERS

LEATHER FOOTWEAR

Table 128

Production of Rayon Yarn and Synthetic Fibers * in the US and the USSR
Selected Years, 1955-63, and 1965 Plan

	Thousand Metric Tons						
	1955	1958	1960	1961	1962	1963	1965 Plan
US ^b	743.8*	691.9*	773.7*	837.4*	1,017.3*	1,133.1*	
USSR.....	110.5*	166.0*	211.2*	250.4*	277.3*	308*	444* ^c

* An asterisk indicates that the data are unclassified.

^a Data refer to rayon yarn and staple and synthetic fibers.

^b Including all rayon and acetate filaments and non-cellulosic fibers, and excluding all waste.

^c Revised plan for 1965. The original plan was for 666,000 metric tons.

Table 129

Production of Leather Footwear * in the US and the USSR
Selected Years, 1955-63, and 1965 Plan

	Million Pairs						
	1955	1958	1960	1961	1962	1963	1965 Plan
US.....	517.3*	516.5*	526.6*	520.3*	518.4*	520.4*	
USSR.....	271.2*	356.4*	419.3*	443.2*	456.3*	463.0*	470* ^b

* An asterisk indicates that the data are unclassified.

^a Data refer to footwear with leather or mainly leather uppers and exclude slippers and rubber footwear.

^b Revised plan for 1965. The original plan was for 515 million pairs.

SECRET

141

METALCUTTING MACHINE TOOLS

SECRET

Table 130

Production of Metalcutting Machine Tools* in the US and Selected Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Thousand Units						
	1955	1958	1960	1961	1962	1963	1965 Plan
US.....	58.00*	31.50*	42.91*	40.36*	47.53*	53.20*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	171*	206*	238*	249*	268*	270*	
USSR.....	117.09*	138.29*	155.92*	165.77*	176.93*	183.00*	195* ^b
European Satellites..	53.5*	67.2*	81.6*	83.5*	90.8*	87.4*	
Bulgaria.....	1.38*	2.11*	2.95*	4.32*	5.64*	6.78*	
Czechoslovakia....	18.49*	22.12*	24.67*	24.79*	25.50*	21.58*	
East Germany °...	13.53*	16.91*	19.75*	18.36*	18.68*	20.00*	
Hungary.....	5.35*	5.77*	7.40*	8.37*	10.20*	8.90*	
Poland.....	12.70*	17.40*	22.50*	22.30*	24.90*	24.00*	26*
Rumania ^d	2.02*	2.94*	4.32*	5.39*	5.87*	6.14*	
Far East							
Communist China..	13.71*	30.00*°	N.A. °	N.A.	N.A. °	N.A.	
North Korea.....	0.32*	1.45*	2.20*	2.60*	3.36*	3.33*	7.5* ^f
North Vietnam....	0*	0.07*	0.65*	1.03*	1.20*	N.A.	1.54

* An asterisk indicates that the data are unclassified.

° Data refer to metalcutting machine tools, including power-driven machine tools defined as not supported in the hands of an operator when in use and designed to remove metal in the form of chips, and also include honing, lapping, grinding, electroerosion, and ultrasonic cutting machines.

^b Midpoint of the range of planned production for 1965 of 190,000 to 200,000 units.

° Excluding a few types known to be produced in small quantities.

^d Including metalforming types that are estimated to be about 10 percent of the reported total.

° Reported production by official sources are as follows: for 1958, 50,000 units; for 1960, 90,000 units; and plan for 1962, 60,000 to 65,000 units. Data appear to include many rudimentary types not reported before 1958.

^f Plan data for 1967.

SECRET

METALFORMING MACHINE TOOLS

ELECTRIC MOTORS

Table 131

Production of Metalforming Machine Tools* in the US and the USSR
Selected Years, 1955-63, and 1965 Plan

	Thousand Units						
	1955	1958	1960	1961	1962	1963	1965 Plan
US.....	N.A.*	21.2*	31.3* ^b	28.8* ^b	33.2* ^b	35.4* ^b	
USSR.....	17.1* ^c	26.2*	29.9*	30.5*	33.3*	33.8*	36.2* ^d

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to power-driven metalforming machine tools defined as not supported in the hands of an operator when in use and designed to press, forge, emboss, hammer, extrude, blank, spin, shear, and bend metal into shape.

^b Including manually operated bending and forming machines and excluding spinning lathes.

^c Reported as excluding hand machines and shears.

^d In 1961 a new plan was drawn up that placed 1965 production at 55,000 units. Since that time, however, the USSR has reverted to the original plan of 36,200 units for 1965.

Table 132

Production of Electric Motors* in Selected Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Thousand Kilowatts						
	1955	1958	1960	1961	1962	1963	1965 Plan
COMMUNIST COUNTRIES							
Soviet Bloc							
USSR ^b	8,819*	13,691*	17,597*	20,060*	22,585*	24,700*	32,800*
European Satellites							
Bulgaria.....	114*	467*	919*	1,242*	1,999*	N.A.	7,300*
Czechoslovakia ^b ...	1,180*	2,371*	2,952*	3,405*	3,686*	N.A.	
Poland.....	1,235*	1,673*	2,387*	2,841*	3,321*	N.A.	5,327*
Rumania.....	147*	374*	553*	702*	890*	931*	
Far East							
Communist China.	607*	6,052*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	N.A.	222*	506*	541*	611*	N.A.	1,873* ^c

* An asterisk indicates that the data are unclassified.

^a Data refer to production of all sizes of motors and, unless otherwise indicated, include alternating and direct current.

^b Including only alternating current motors of 0.25 kilowatt and over.

^c Plan data for 1967.

SECRET

143

VALUE OF CONSTRUCTION

SECRET

Table 133

Value of Construction* in the US and Selected Communist Countries
Selected Years, 1955-63

	Unit of Measure	1955	1958	1960	1961	1962	1963
US.....	Billion 1954 dollars.....	45.6*	44.5*	48.1*	49.2*	51.4*	52.8*
COMMUNIST COUN- TRIES							
USSR ^b	Billion new rubles ^c	12.8*	19.3*	24.2*	24.5*	25.0*	25.7*
Bulgaria ^d	Million 1961 leva.....	230.5*	289.2*	463.2*	469.0*	507.0*	565.0*
Czechoslovakia....	Billion 1961 korunas.....	19.9*	26.0*	33.7*	34.7*	33.6*	29.3*
East Germany.....	Billion current DME ^e	4.30*	5.64*	7.27*	7.47*	7.98*	7.95*
Hungary.....	Billion current forints.....	18.6* ^f	23.6* ^f	32.2*	33.2*	35.8*	37.9*
Poland ^d	Billion 1961 zlotys.....	47.4*	53.3*	66.0*	68.9*	76.3*	78.6*
Rumania.....	Billion 1 January 1959 lei..	7.05*	7.72*	11.7*	13.2*	15.2*	17.9*
North Korea.....	Million 1957 won.....	225*	268*	307*	354*	330*	347*
Albania ^d	Billion 1961 leks.....	3.02*	4.50*	5.60*	6.50*	7.10*	N.A.

* An asterisk indicates that the data are unclassified.

^a Because of the difficulty of determining valid rates of exchange, data are not presented in terms of a common currency. Official parity rates should be used with caution because they have been established and maintained arbitrarily and do not necessarily reflect the true ratio for construction. For example, the estimated ruble-dollar ratio for construction in the USSR in 1955 prices is about 0.70 new ruble to US \$1.

^b Data include the state and cooperative sector, private housing construction, and construction-installation work performed by collective farms (excluding fishing artels).

^c Expressed in 1955 prices.

^d Value of state construction.

^e Deutsche Mark East (East German marks).

^f Not strictly comparable with later years, because of the price change in 1959.

SECRET

TOTAL HOUSING CONSTRUCTION

Table 134

Total Housing Construction* in the US and Selected Communist Countries
Selected Years, 1955-63

	Thousand Square Meters					
	1955	1958	1960	1961	1962	1963
US ^b	177,000* ^c	154,000*	145,000*	148,000*	159,000*	169,000*
COMMUNIST COUNTRIES						
USSR.....	55,400*	97,700*	106,000*	99,000*	96,700*	92,000* ^d
Bulgaria.....	2,300*	2,547*	2,500*	1,927*	2,187*	N.A.
Czechoslovakia.....	1,986*	2,045*	2,927*	3,453*	3,458*	3,280*
East Germany.....	2,157*	3,750*	4,447*	5,063*	4,867*	4,125*
Hungary.....	1,490*	2,030*	2,040*	2,410*	2,530*	2,500*
Poland.....	4,800*	7,000*	8,000*	8,200*	7,960*	8,075*
Rumania.....	2,904*	7,314*	7,007*	8,095*	7,872*	7,700*
Communist China.....	N.A. ^e	N.A. ^e	N.A.	N.A.	N.A.	N.A.
North Korea.....	2,932	3,311*	2,687	2,630*	3,900*	N.A.
North Vietnam.....	N.A.	N.A.	518* ^f	264*	300*	130*
Albania.....	117*	185*	201*	260*	N.A.	N.A.

* An asterisk indicates that the data are unclassified.

^a Data refer to the total housing space, including living rooms, bedrooms, dining area, and auxiliary space such as bathrooms, kitchens, closets, and inside hallways.

^b Data are computed from the number of housing starts during the given years; strictly speaking, therefore, the completions data are more accurate for interyear comparisons than for any given year. Housing starts were converted to total floorspace by converting to square meters on the basis of varying sizes of structures.

^c Data for 1955 differs from the previous *Handbook*. Previous data for 1955 were not consistent with the series for the later years and were therefore adjusted to make the series as comparable as possible.

^d Including 77 million square meters of urban housing and 15 million square meters of rural housing.

^e Data for urban housing are as follows: for 1955, 14.46 million square meters, and for 1958, 26.42 million square meters.

^f Total area constructed during 1955-60.

SECRET

145

CEMENT

SECRET

Table 135

Production of Cement *
Selected Years, 1955-63, and 1965 Plan

Thousand Metric Tons								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	120,000*	130,000*	144,000*	152,000*	161,000*	168,000*		
US ^c	52,993*	54,830*	56,063*	56,718*	58,937*	61,720*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	36,100*	50,800*	68,400*	75,500*	83,100*	87,600*		
USSR.....	22,484*	33,308*	45,520*	50,864*	57,328*	61,000*	70,000* ^d	
European Satellites...	13,600*	17,500*	22,900*	24,600*	25,800*	26,600*		
Bulgaria.....	812*	934*	1,586*	1,749*	1,893*	2,204*	3,128*	
Czechoslovakia....	2,892*	4,110*	5,051*	5,343*	5,710*	5,178*		
East Germany.....	2,971*	3,558*	5,032*	5,275*	5,432*	5,400*	8,000*	
Hungary.....	1,175*	1,302*	1,571*	1,601*	1,733*	1,800*	2,600*	
Poland.....	3,813*	5,058*	6,599*	7,364*	7,544*	7,669*	11,120*	
Rumania.....	1,936*	2,572*	3,054*	3,308*	3,489*	4,389*	6,500*	
Far East								
Communist China..	4,500*	9,300*	N.A.	N.A.	N.A.	N.A.		
North Korea.....	360*	1,244*	2,285*	2,262*	2,376*	2,530*	4,250* ^e	
North Vietnam....	8*	302*	408*	458*	462*	495*		
Other Communist Countries								
Albania.....	45*	78*	73*	120*	120*	N.A.	230* ^f	
Cuba.....	424*	725*	400*	300*	300*	N.A.		
Yugoslavia.....	1,572*	1,967*	2,398*	2,336*	2,519*	2,817*		
Other NATO Countries								
	1955	1963	1955	1963		1955	1963	
Belgium ^g	4,689*	4,721*	Iceland.....	0*	97* ^h	Portugal.....	779*	1,434*
Canada.....	3,995*	6,312*	Italy.....	10,781*	22,087*	Saar.....	290*	N.A.* ⁱ
Denmark....	1,259*	1,507*	Luxembourg..	157*	230* ^h	Turkey.....	817*	2,685*
France.....	10,770*	18,054*	Netherlands..	1,101*	2,080*	UK.....	12,714*	14,058*
Greece.....	1,125*	2,284*	Norway.....	800*	1,410*	West Germany..	18,183*	29,255* ⁱ

* An asterisk indicates that the data are unclassified.

^a Data refer, as nearly as possible, to all types of hydraulic cements used for construction.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Including portland, prepared masonry, natural, slag, and hydraulic lime cement.

^d Revised plan for 1965. The original plan was for 84.6 million metric tons.

^e Midpoint of the range of planned production for 1967 of 4.0 million to 4.5 million metric tons.

^f Estimated plan for 1965.

^g Excluding natural cement.

^h Data are for 1962 and are included in the NATO total for 1963.

ⁱ Data for the Saar are included with West Germany.

SECRET

INVENTORY OF NAVAL SHIPS

Table 136

Inventory of Naval Ships, by Type
as of January 1964 ^a

	Surface Ships						Units
	Aircraft Carriers	Battle- ships	Cruisers	De- stroyers ^b	Patrol Ships	Mine Ships	Sub- marines
NATO COUNTRIES ^a	38	4	51	910	340	804	234
US ^a	28 ^d	4	41 ^d	659	27	175 ^e	125
Belgium.....	0	0	0	0	0	52	0
Canada.....	1	0	0	27	20	10	1
Denmark.....	0	0	0	2	28	17	3
France.....	3	0	2	50	33	110	21
Greece.....	0	0	0	12	10	16	2
Italy.....	0	0	2	18	49	94	6
Netherlands.....	1	0	2	18	12	68	5
Norway.....	0	0	0	8	26	16	6
Portugal.....	0	0	0	6	24	16	3
Turkey.....	0	0	0	9	10	21	10
UK.....	5	0	4	89	34	154	43
West Germany....	0	0	0	12	67	55	9
Other Countries							
Indonesia.....	0	0	1	11	78	14	12
Japan.....	0	0	0	26	45	46	6
United Arab Re- public.....	0	0	0	6	41	6	10
TOTAL COMMUNIST							
COUNTRIES.....	0	0	20	189	1,488	683	453
Soviet Bloc.....	0	0	20	175	977	561	416
USSR.....	0	0	20	164	867	417	406
European Satellites..	0	0	0	11	110	144	10
Bulgaria.....	0	0	0	2	12	24	2
East Germany....	0	0	0	4	41	57	0
Poland.....	0	0	0	3	33	33	7
Rumania.....	0	0	0	2	24	30	1
Far East.....	0	0	0	8	355	69	30
Communist China..	0	0	0	8	256	39	28
North Korea.....	0	0	0	0	49	26	2
North Vietnam....	0	0	0	0	50	4	0
Other Communist							
Countries.....	0	0	0	6	156	53	7
Albania.....	0	0	0	0	10	11	4
Cuba.....	0	0	0	0	47	0	0
Yugoslavia.....	0	0	0	6	99	42	3

^a Data for the US are as of 31 March 1964.^b Escort ships (DE) have been reclassified as principal combatant ships and have been counted as destroyers rather than as patrol ships.^c Including active and reserve fleets.^d Two aircraft carriers and one cruiser have been converted to command ships (CC).^e Including 10 minelayer-destroyers (DM).

SECRET

147

Table 137

Construction of Naval Ships, by Type, in Selected Communist Countries
Selected Years, 1955-63

	Units											
	1955		1958		1960		1961		1962		1963	
	Nuclear	Diesel	Nuclear	Diesel	Nuclear	Diesel	Nuclear	Diesel	Nuclear	Diesel	Nuclear	Diesel
COMMUNIST COUNTRIES												
USSR												
Submarines												
Attack.....		79	1	2	1	6	3	6	3	5	3	3
Ballistic missile.....		6		2	4	8	2	9	3	7	0 to 3	
Cruise missile.....					2	4	2	4	2	4	2	2
Cruisers.....		1										
Destroyers												
Conventional.....		21		2								
Guided missile.....				4		5		3		3		2
Guided missile motorboats ^a ..						35		58		35		27
Patrol craft ^b		32		70		25		9		15		15
Patrol craft ^c		100		60		15						
Mine ships.....		28		6		11		12		22		24
Auxiliaries.....				2		9		8		3		1
Amphibious.....				28		33		12				
East Germany												
Patrol craft.....										2		4
Mine ships.....		20		7								
Amphibious.....							1		5			6
Poland												
Patrol craft.....				2		5		2				
Mine ships.....		3		17		11						4
Auxiliaries.....									2			6
Amphibious.....												4
Communist China												
Submarines.....				6		1		1		4		
Destroyers ^d												
Patrol craft.....				46		28		12				0 to 10
Mine ships.....				2		2						
Amphibious.....		30		30		30		30				

^a Including *Osa* and *Komar* classes.^b Including *Petya*, *Polt*, *SO-1*, *Kronshtadt*, and *MO-VI* classes.^c Including *P-4*, *P-6*, and *P-10* classes.^d Four *Riga*-class ships were built during 1956-57.

SECRET

MILITARY AIRCRAFT

Table 138

Production of Military Aircraft, by Type
1962 and 1963

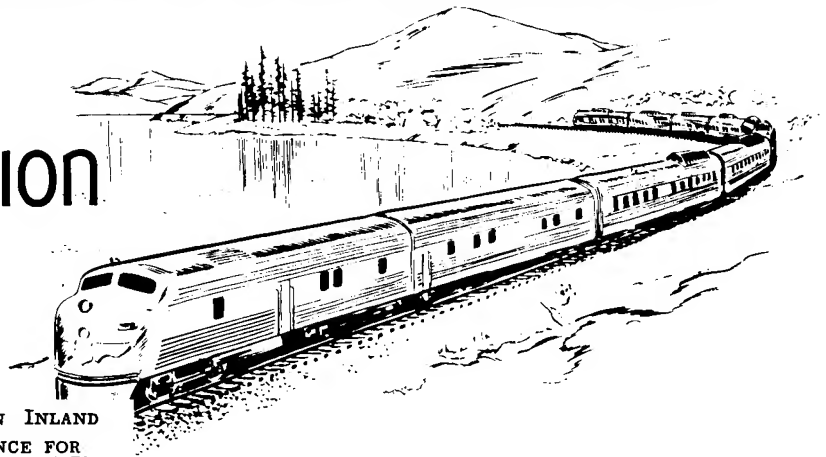
	Units							
	Bombers		Fighters		Transports		Other *	
	1962	1963	1962	1963	1962	1963	1962	1963
NATO COUNTRIES.....	518	399	860	1,098	551	513	8,485	9,623
US.....	466	348	463	447	369	308	7,980	9,097
Belgium.....	0	0	37	67	0	0	0	0
Canada.....	0	0	93	99	37	52	0	45
France.....	5	1	127	141	29	30	96	69
Italy.....	0	0	2	46	0	0	78	39
Netherlands.....	0	0	40	156	36	36	0	0
UK.....	47	50	26	70	68	63	289	331
West Germany.....	0	0	72	72	12	24	42	42
TOTAL COMMUNIST COUNTRIES..	156	177	722	806	706	627	1,484	1,206
Soviet Bloc.....	156	177	722	806	691	575	1,484	1,206
USSR.....	156	177	697	806	391	275	942	666
European Satellites.....	0	0	25	0	300	300	542	540
Czechoslovakia.....	0	0	0	0	0	0	313	325
Hungary.....	0	0	0	0	0	0	0	13
Poland.....	0	0	25	0	300	300	205	178
Rumania.....	0	0	0	0	0	0	24	24
Far East								
Communist China.....	0	0	0	0	15	52	0	0

* Including aircraft types such as trainers, communication/utility, helicopters, and reconnaissance.

SECRET

149

TRANSPORTATION



TABLE

Graphic 10 COMPARATIVE DATA ON INLAND
TRANSPORT PERFORMANCE FOR
THE US AND THE USSR
(Preceding page 151)

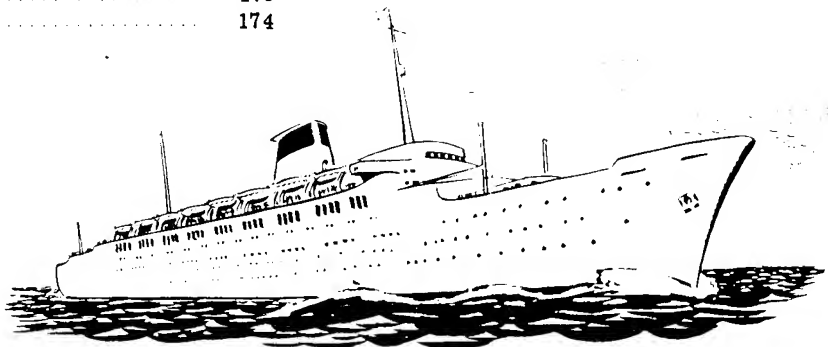
139.	INLAND TRANSPORT, IN TON-KILOMETERS	151
140.	RAILROAD FREIGHT, IN TON-KILOMETERS	152
141.	RAILROAD FREIGHT, IN TONS CARRIED	153
142.	HIGHWAY FREIGHT, IN TON-KILOMETERS	154
143.	HIGHWAY FREIGHT, IN TONS CARRIED	155
144.	INLAND WATER FREIGHT, IN TON-KILOMETERS	156
145.	INLAND WATER FREIGHT, IN TONS CARRIED	157
146.	OCEAN FREIGHT, IN TON-KILOMETERS	158
147.	PASSENGER-KILOMETERS FLOWN BY SCHEDULED AIRLINES	159
148.	CIVIL AIRFREIGHT, IN TON-KILOMETERS	159
149.	PETROLEUM PIPELINE TRANSPORTATION, IN TON-KILOMETERS	160
150.	PETROLEUM PIPELINE TRANSPORTATION, IN TONS CARRIED	160

PRODUCTION OF EQUIPMENT

151.	MARITIME CARGO SHIPS	161
152.	MARITIME TANKERS	162
153.	FISHING SHIPS	163
154.	MAINLINE LOCOMOTIVES	164
155.	MAINLINE DIESEL LOCOMOTIVES	165
156.	MAINLINE ELECTRIC LOCOMOTIVES	165
157.	MAINLINE RAILROAD FREIGHT CARS	166
158.	AUTOMOBILES	167
159.	COMMERCIAL VEHICLES	168

INVENTORY OF EQUIPMENT

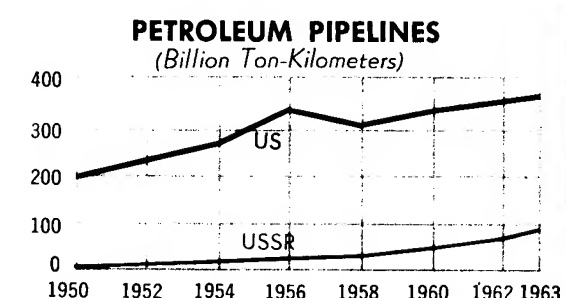
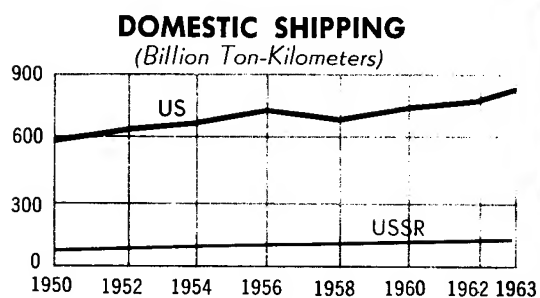
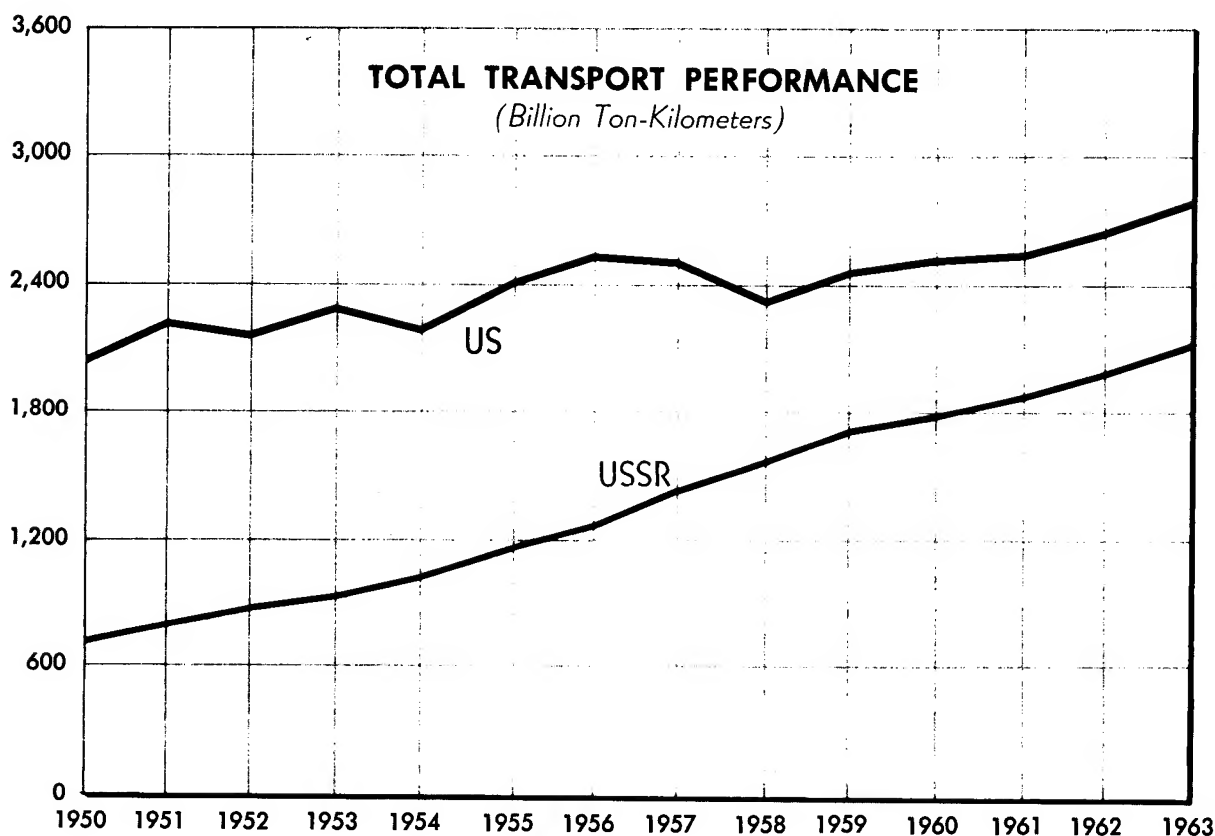
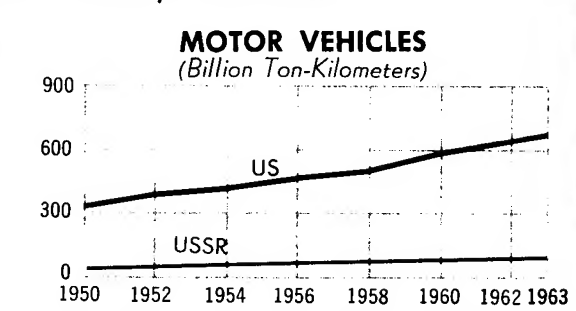
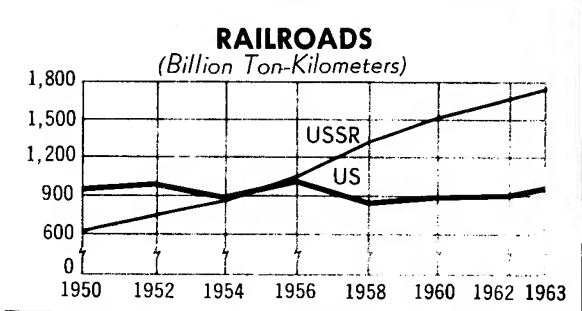
160.	AIRCRAFT IN SCHEDULED AIRLINES	169
161.	LOCOMOTIVES	170
162.	RAILROAD FREIGHT CARS	171
163.	TRUCKS	172
164.	MERCHANT FLEET	173
165.	TANKER FLEET	174



SECRET

Graphic 10

COMPARATIVE DATA ON INLAND TRANSPORT PERFORMANCE FOR THE US AND THE USSR, 1950-63



39736 6-64

SECRET

GROUP 1
EXCLUDED FROM AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

SECRET

INLAND TRANSPORT PERFORMANCE

Table 139

Inland Transport Performance, in Ton-Kilometers, in the US and the USSR
Selected Years, 1955-63

	Billion Metric Ton-Kilometers					
	1955	1958	1960	1961	1962	1963
Total US.....	2,400*	2,300*	2,500*	2,510*	2,640*	2,780*
Railroads.....	956*	839*	868*	851*	899*	942*
Motor vehicles ^a	416*	490*	572*	602*	637*	669*
Domestic shipping ^b	728*	665*	726*	712*	757*	815*
Petroleum pipelines.....	297*	308*	334*	340*	347*	355*
Civil air.....	1*	1*	1*	2*	2*	2*
Total USSR.....	1,140*	1,530*	1,790*	1,880*	1,980*	2,120*
Railroads.....	971*	1,302*	1,504*	1,567*	1,646*	1,749*
Motor vehicles ^a	43*	77*	99*	106*	112*	119*
Domestic shipping ^c	106*	120*	138*	147*	152*	157*
Petroleum pipelines.....	15*	34*	51*	60*	74*	91*
Civil air.....	Negl*	Negl*	1*	1*	1*	1*

* An asterisk indicates that the data are unclassified.

^a Highway freight traffic, including urban and rural traffic.

^b Domestic freight traffic, by water, including inland waterway freight and estimated coastal, intercoastal, and Great Lakes freight traffic.

^c Domestic freight traffic, by water, including inland waterway freight and estimated coastal, intercoastal, and Caspian Sea freight traffic.

SECRET

151

RAILROAD FREIGHT TRAFFIC
IN TON-KILOMETERS

SECRET

Table 140

Railroad Freight Traffic, in Ton-Kilometers *
Selected Years, 1955-63, and 1965 Plan

	Billion Metric Ton-Kilometers						
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^b	1,220*	1,100*	1,140*	1,120*	1,170*	1,230*	
US.....	955.66*	839.14*	868.47*	850.52*	898.94*	941.98*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	1,110*	1,460*	1,690*	1,770*	1,860*	1,960*	
USSR.....	970.90*	1,302.00*	1,504.30*	1,566.60*	1,646.30*	1,749.40*	1,840.0*
European Satellites..	136*	162*	187*	199*	209*	214*	
Bulgaria.....	4.12*	5.24*	6.98*	7.45*	7.88*	8.35*	
Czechoslovakia....	31.70*	42.67*	47.41*	50.67*	52.22*	51.16*	
East Germany.....	25.22*	30.10*	32.86*	34.73*	37.41*	37.60*	
Hungary ^c	8.80*	10.24*	13.34*	13.86*	14.55*	15.38*	
Poland.....	51.97*	57.19*	66.55*	69.69*	72.69*	74.43*	
Rumania.....	14.68*	17.02*	19.82*	22.21*	24.42*	26.76*	
Far East							
Communist China..	98.15*	185.52*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	3.79*	6.30*	9.12*	9.85*	10.24*	10.76*	17.5* ^d
North Vietnam....	0.04*	0.29*	0.70*	0.71*	0.72*	0.79*	
Other Communist Countries							
Albania.....	0.02*	0.03*	0.05*	0.08*	0.08*	0.08*	
Yugoslavia ^e	10.47*	11.88*	13.90*	14.94*	15.03*	17.34*	

Other NATO Countries

	1955	1963		1955	1963		1955	1963
Belgium ^f ...	6.68*	6.74*	Italy ^g	14.68*	16.10*	Saar.....	1.04*	N.A.*
Canada.....	96.62*	107.36*	Luxembourg ^h ..	0.61*	0.65*	Turkey.....	3.97*	3.60*
Denmark ⁱ ..	1.22* ^h	1.56*	Netherlands ^k ..	3.44*	4.10*	UK ^m	34.92*	26.88*
France.....	46.81*	62.65*	Norway ⁿ	1.37* ^l	1.79*	West Germany ⁿ ...	48.06*	54.49*
Greece ^l	0.30*	0.42*	Portugal.....	0.72*	0.81*			

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to net metric ton-kilometers and include all goods and livestock carried during the calendar year by trains other than plantation, industrial, forest, mining, funicular, and cable railroads but exclude service traffic, mail, and nonrevenue government stores. Data include domestic, import, export, and transit freight traffic. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the US specifically include revenue and nonrevenue freight traffic on Class I and II railroads.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Including performance of railroads owned jointly by Hungary and Austria and performance by narrow-gauge railroads for "limited public use."

^d Plan data for 1967.

^e Including service traffic.

^f Full carloads only excluding military traffic.

^g Government railroads only.

^h Data are for the year beginning 1 April.

ⁱ Including military and government traffic.

^j Excluding livestock.

^k Full carloads only.

^l Data are for the year beginning 1 July of the previous year.

^m Excluding Northern Ireland. Data include service traffic.

SECRET

RAILROAD FREIGHT TRAFFIC
IN TONS CARRIED

Table 141

Railroad Freight Traffic, in Tons Carried ^a
Selected Years, 1955-63, and 1965 Plan

Million Metric Tons Carried								
	1955	1958	1960.	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	2,550*	2,260*	2,450*	2,390*	2,430*	N.A.*		
US.....	1,323.4*	1,131.6*	1,180.5*	1,136.6*	1,173.5*	1,220.0*		
COMMUNIST COUNTRIES...								
Soviet Bloc.....	2,000*	2,440*	2,820*	2,960*	3,080*	3,180*		
USSR.....	1,267.0*	1,616.9*	1,884.9*	1,987.6*	2,077.4*	2,158.0*	2,318 *	
European Satellites..	737*	826*	931*	977*	1,010*	1,020*		
Bulgaria.....	23.7*	29.7*	38.4*	40.5*	40.4*	42.8*		
Czechoslovakia....	140.2*	174.4*	194.1*	205.7*	206.9*	203.0*		
East Germany.....	207.5*	227.2*	237.8*	248.7*	259.8*	261.1*		
Hungary ^d	70.0*	78.5*	95.9*	98.6*	101.3*	105.3*		
Poland.....	236.4*	250.0*	286.9*	297.7*	305.7*	312.8*		
Rumania.....	59.0*	66.6*	77.5*	85.3*	92.0*	99.6*		
Far East								
Communist China..	193.8*	381.1*	N.A.	N.A.	N.A.	N.A.		
North Korea.....	16.8*	28.2*	38.6*	41.0*	43.9*	46.1*	75* •	
North Vietnam....	0.4*	1.4*	2.9*	3.1*	3.2*	3.5*		
Other Communist Countries								
Albania.....	0.4*	0.6*	0.9*	1.2*	1.3*	1.3*		
Yugoslavia ^f	50.2*	57.3*	65.2*	64.2*	63.6*	N.A.		
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Belgium.....	70.1*	65.4*	Italy.....	55.3*	67.1*	Portugal.....	3.8*	3.6*
Canada.....	169.8*	160.6*	Luxembourg ^g	17.6*	16.9*	Turkey ^g	11.3*	10.6*
Denmark.....	7.4*	8.9*	Netherlands ^f	26.9*	28.6*	UK.....	279.0*	232.3*
France ^g	191.0*	231.0*	Norway ^g	5.3*	5.6*	West Germany ^g ^h ..	391.5*	423.7*
Greece.....	2.1*	2.8*						

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to all goods and livestock carried during the calendar year by trains other than plantation, industrial, forest, mining, funicular, and cable railroads but exclude service traffic, mail, and non-revenue government stores. Data include domestic, imports, export, and transit freight traffic. Freight traffic carried on more than one railroad line within a country is counted only once. Foreign trade freight traffic carried through more than one country, however, is counted in each country. Data for the US are in tons originated, thus giving a more realistic comparison with other NATO countries and with Communist countries.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Revised plan for 1965. The original plan was for 2,372 million metric tons carried.

^d Including performance of railroads owned jointly by Hungary and Austria and performance by narrow-gauge railroads for "limited private use."

^e Plan data for 1967.

^f Including service traffic.

^g Government railroads only.

^h Including through consignments between private and government railways.

SECRET

153

HIGHWAY FREIGHT TRAFFIC
IN TON-KILOMETERS

SECRET

Table 142

Highway Freight Traffic, in Ton-Kilometers, * in the US and the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Million Metric Ton-Kilometers						
	1955	1958	1960	1961	1962	1963	1965 Plan
US ^b	416,000*	490,000*	572,000*	602,000*	637,000*	669,000*	
COMMUNIST COUNTRIES ^c							
Soviet Bloc.....	55,000	93,200	119,000	129,000	137,000	145,000	
USSR.....	42,550*	76,801*	98,520*	105,673*	111,896*	119,000*	139,000* ^d
European Satellites...	12,500	16,400	20,700	23,000	24,900	25,500	
Bulgaria.....	735*	1,150*	2,039*	2,420*	2,500*	2,900*	
Czechoslovakia....	2,720*	3,980*	5,108*	5,673*	6,055*	5,492*	
East Germany.....	3,194*	4,147*	4,984*	5,269*	5,653*	5,747*	
Hungary.....	950	1,000	1,580	1,689	1,850	2,181	
Poland.....	3,700*	4,600*	5,400*	6,000*	6,400*	6,410*	
Rumania.....	1,200*	1,500*	1,600*	1,914*	2,427*	2,775*	
Far East							
Communist China..	2,520*	6,960*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	138*	352*	548*	559*	632*	657*	
North Vietnam....	4*	15*	58*	71*	71*	79*	
Other Communist Countries							
Albania.....	93* ^e	234*	328*	378*	422*	427*	

* An asterisk indicates that the data are unclassified.

^a Data refer to traffic by trucks, whether on improved roads or not, but exclude primitive modes of transportation.^b Including urban and rural traffic.^c Data refer to traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.^d Revised plan for 1965. The original plan was for 146 billion metric ton-kilometers.^e Performance by public carriers only.

SECRET HIGHWAY FREIGHT TRAFFIC IN TONS CARRIED

Table 143

Highway Freight Traffic, in Tons Carried,* in the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Million Metric Tons Carried						
	1955	1958	1960	1961	1962	1963	1965 Plan
COMMUNIST COUNTRIES							
Soviet Bloc.....	4,520*	7,590*	9,960*	10,500*	10,800*	11,400*	
USSR.....	3,730.0*	6,474.4*	8,492.7*	8,922.6*	9,122.1*	9,674.8*	
European Satellites..	795*	1,110*	1,460*	1,600*	1,710*	1,740*	
Bulgaria.....	37.8*	68.3*	128.3*	152.0*	156.3*	164.2*	
Czechoslovakia....	222.5*	334.8*	428.4*	481.1*	511.7*	470.7*	
East Germany.....	169.1*	226.5*	270.3*	286.7*	306.3*	319.3*	
Hungary.....	59.6*	71.2*	121.5*	128.0*	134.5*	141.2*	
Poland.....	273.0*	332.0*	392.0*	413.6*	435.2*	457.4*	500*
Rumania.....	33.0*	79.0*	123.0*	143.4*	161.8*	185.0*	
Far East							
Communist China..	49.0*	176.3*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	8.8*	40.0*	78.6*	74.6*	88.8*	91.5*	
North Vietnam....	0.1*	0.4*	1.9*	2.3*	2.4*	2.6*	
Other Communist Countries							
Albania.....	3.3*	8.0*	10.3*	13.1*	15.2*	15.8*	

* An asterisk indicates that the data are unclassified.

* Data refer to traffic by trucks, whether on improved roads or not, but exclude primitive modes of transportation. Data refer to traffic by state automotive transport organizations and by cooperatives; branch enterprises; and transport units of industries, plants, offices, and the like.

INLAND WATER FREIGHT TRAFFIC
IN TON-KILOMETERS

SECRET

Table 144

Inland Water Freight Traffic, in Ton-Kilometers
Selected Years, 1955-63, and 1965 Plan

Million Metric Ton-Kilometers

	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES ^a	200,000*	223,000*	253,000*	259,000*	271,000*	N.A.*	
US ^b	142,586*	159,329*	176,343*	181,037*	194,177*	204,396*	
COMMUNIST COUNTRIES ^c							
Soviet Bloc.....	74,000*	92,200*	108,000*	114,000*	118,000*	123,000*	
USSR.....	67,748*	85,477*	99,602*	105,964*	109,862*	114,400*	130,000* ^d
European Satellites..	6,210*	6,710*	7,910*	7,780*	7,970*	8,310*	
Bulgaria.....	372*	391*	615*	585*	622*	616*	
Czechoslovakia....	1,485*	1,784*	1,962*	1,899*	1,975*	1,907*	
East Germany.....	2,168*	2,398*	2,252*	2,202*	2,162*	2,119*	
Hungary.....	765*	857*	1,308*	1,311*	1,377*	1,509*	
Poland.....	775*	696*	904*	855*	822*	1,026*	
Rumania.....	648*	585*	865*	927*	1,011*	1,129*	
Far East							
Communist China .	14,250	25,070	N.A.	N.A.	N.A.	N.A.	
North Vietnam....	4*	28*	81*	84*	84*	93*	
Other Communist Countries							
Yugoslavia.....	2,106*	2,413*	3,272*	3,037*	3,194*	N.A.	
Other NATO Countries							
	1955	1962	1955	1962		1955	1962
Belgium.....	4,617*	5,421*	Netherlands... 15,255*	20,281*	West Germany.	28,624*	39,626*
France.....	8,917*	11,234*	UK.....	300*			

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^b Excluding traffic on the Great Lakes.^c Data for North Korea are included with ocean freight traffic in Table 146 (p. 158, below).^d Revised plan for 1965. The original plan was for 140 billion ton-kilometers.

SECRET

INLAND WATER FREIGHT TRAFFIC
IN TONS CARRIED

Table 145

Inland Water Freight Traffic, in Tons Carried
Selected Years, 1955-63, and 1965 Plan

					Million Metric Tons Carried			
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^a	694*	722*	821*	825*	854*	N.A.*		
US ^b	328.90*	332.48*	356.56*	351.97*	379.51*	N.A.*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	163*	203*	235*	248*	255*	264*		
USSR.....	139.49*	178.26*	210.32*	223.95*	230.33*	239.40*	245* ^c	
European Satellites..	23.3*	25.2*	25.0*	24.3*	24.7*	24.1*		
Bulgaria.....	0.92*	1.15*	1.56*	1.53*	1.60*	1.53*		
Czechoslovakia....	2.84*	3.25*	3.53*	3.75*	3.92*	3.79*		
East Germany.....	12.90*	14.86*	12.63*	11.94*	11.44*	10.34*		
Hungary.....	1.75*	1.89*	2.39*	2.36*	2.46*	2.40*		
Poland.....	3.32*	2.48*	2.95*	2.76*	3.05*	3.40*		
Rumania.....	1.60*	1.56*	1.91*	1.96*	2.21*	2.65*		
Far East								
Communist China..	26.67	56.66	N.A.	N.A.	N.A.	N.A.		
North Vietnam....	0.05*	0.23*	0.60*	0.67*	0.70*	0.76*		
Other Communist Countries								
Yugoslavia.....	6.16*	6.82*	10.04*	9.93*	9.52*	N.A.		
Other NATO Countries								
	1955	1962		1955	1962		1955	1962
Belgium.....	56.84*	66.64*	Italy.....	2.26*	2.69* ^d	UK.....	10.64*	9.41*
France.....	58.25*	71.54*	Netherlands..	112.27*	153.76*	West Germany..	124.61*	170.05*

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^b Including all inland, intraport, and local water traffic and excluding Great Lakes traffic.^c Revised plan for 1965. The original plan was for 261.4 million metric tons carried.^d Data are for 1961 and are included in the NATO total for 1962.

SECRET

157

OCEAN FREIGHT TRAFFIC
IN TON-KILOMETERS

SECRET

Table 146

Ocean Freight Traffic, in Ton-Kilometers, * in the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Million Metric Ton-Kilometers						
	1955	1958	1960	1961	1962	1963	1965 Plan
COMMUNIST COUNTRIES							
Soviet Bloc.....	89,200*	138,000*	186,000*	225,000*	246,000*	311,000	
USSR ^b	68,900*	106,300*	131,500*	159,100*	173,400*	225,400*	361,400*
European Satellites..	20,300*	31,600*	54,500*	65,500*	73,000*	85,500	
Bulgaria ^c	919*	2,099*	2,540*	2,739*	3,475*	4,977*	
Czechoslovakia....	2,272*	2,367*	7,476*	6,349*	5,270*	5,400	14,000 ^d
East Germany ^e	480*	3,738*	10,518*	11,353*	14,303*	20,436*	22,000 ^d
Hungary.....	82*	129*	230*	280*	244*	330*	900 ^d
Poland ^e	15,806*	22,335*	32,696*	42,596*	46,364*	49,110*	65,000 ^d
Rumania.....	712*	952*	1,065*	2,163*	3,365*	5,209*	
Far East							
Communist China ^f ..	10,190	18,840	N.A.	N.A.	N.A.	N.A.	
North Korea ^g	23*	69*	136*	165*	206*	219*	
North Vietnam ^h ..	4*	34*	60*	78*	79*	87*	
Other Communist Countries							
Albania ^o	18*	29*	296*	711*	1,400	1,400	2,500 ^d

* An asterisk indicates that the data are unclassified.

^a Data include the performance of vessels of less than 1,000 gross register tons (GRT).^b Including Caspian Sea, Danube River, and domestic coastal and intercoastal traffic.^c Including both coastal and international freight traffic.^d Estimated performance for 1965, based on planned size of the fleet and estimated length of haul.^e Perhaps excluding the performance of some ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1963, there were 17 of these ships, totaling 142,700 GRT. It is possible that the performance of one-half of these is included, but no definite information is available.^f Coastal traffic only, carried in Chinese and chartered foreign ships.^g Including both modern coastal and inland water traffic.^h Coastal traffic only.

SECRET

PASSENGER-KILOMETERS FLOWN
CIVIL AIRFREIGHT TRAFFIC

Table 147

Passenger-Kilometers Flown by Scheduled Airlines in the US and the USSR
Selected Years, 1955-63

	Billion Passenger-Kilometers					
	1955	1958	1960	1961	1962	1963
US ^a	39.19*	50.69*	62.54*	64.10*	70.43*	81.05*
USSR	2.80*	6.40*	12.10*	16.40*	20.30*	25.30*

* An asterisk indicates that the data are unclassified.

^a Revenue passenger-kilometers.

Table 148

Civil Airfreight Traffic, in Ton-Kilometers, ^a in the US and the USSR
Selected Years, 1955-63

	Million Metric Ton-Kilometers					
	1955	1958	1960	1961	1962	1963
US ^b	842*	1,061*	1,377*	1,596*	1,910*	2,121*
USSR	252*	399*	563*	802*	890*	910*

* An asterisk indicates that the data are unclassified.

^a Data refer to express, freight, and mail traffic.

^b Revenue traffic, excluding charter flights and excess baggage.

SECRET

159

PETROLEUM PIPELINE TRANSPORTATION

SECRET

Table 149

Petroleum Pipeline Transportation, in Ton-Kilometers, in the US and in the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Billion Metric Ton-Kilometers						
	1955	1958	1960	1961	1962	1963	1965 Plan
US.....	296.7*	308.5*	333.8*	340.4*	347.1*	355.2*	
TOTAL COMMUNIST COUNTRIES ^a	15.1*	34.6*	52.2*	60.9*	76.5*	93.4	
USSR.....	14.7*	33.8*	51.2*	60.0*	74.5*	90.9*	157* ^b
Czechoslovakia....	N.A.	N.A.	N.A.	N.A.	1.0*	1.4	
Rumania.....	0.4*	0.8*	1.0*	0.9*	1.0*	1.1*	

* An asterisk indicates that the data are unclassified.

^a Performance in the Communist countries other than in the USSR, Czechoslovakia, and Rumania is negligible.

^b Revised plan for 1965. The original plan was for 185 billion metric ton-kilometers.

Table 150

Petroleum Pipeline Transportation, in Tons Carried, in the US and the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Million Metric Tons Carried						
	1955	1958	1960	1961	1962	1963	1965 Plan
US ^a	343.8*	361.2*	408.8*	428.7*	447.8*	470.0*	
TOTAL COMMUNIST COUNTRIES ^b	53.7*	98.6*	136*	149*	175*	196	
USSR.....	51.7*	94.9*	129.9*	144.0*	165.1*	185.5*	240* ^c
Czechoslovakia....	N.A.	N.A.	N.A.	N.A.	2.5*	3.4	
Rumania.....	2.0*	3.7*	5.6*	5.3*	7.0*	7.3*	

* An asterisk indicates that the data are unclassified.

^a Data refer to tons originated, thus giving a more realistic comparison with the Communist countries.

^b Performance in the Communist countries other than in the USSR, Czechoslovakia, and Rumania is negligible.

^c This is the original Seven Year Plan (1959-65) goal for 1965, but this goal may have been reduced, inasmuch as the goal for ton-kilometers has been reduced.

SECRET CONSTRUCTION OF MARITIME CARGO SHIPS

Table 151

Construction of Maritime Cargo Ships * in Selected Communist Countries
Selected Years, 1955-63

	1955	1958	1960	1961	1962	1963
Thousand Gross Register Tons						
COMMUNIST COUNTRIES						
Soviet Bloc.....	98.2	231	382	318	416	460
USSR.....	0	0	58.4	66.9	116.6	149.9
European Satellites.....	98.2	231	324	252	300	310
Bulgaria.....	0	3.9	4.1	0.6	2.2	6.7
East Germany.....	16.3	81.6	123.0	80.2	98.9	95.1
Hungary.....	10.8	15.7	20.7	13.0	13.0	15.1
Poland.....	71.1	129.7	166.7	143.3	170.0	178.8
Rumania.....	0	0	9.6	14.4	15.6	14.6
Far East						
Communist China.....	0	9.5	N.A.	N.A.	N.A.	N.A.
Units						
COMMUNIST COUNTRIES						
Soviet Bloc.....	50	71	112	85	91	94
USSR.....	0	0	10	8	15	21
European Satellites.....	50	71	102	77	76	73
Bulgaria.....	0	2	3	2	2	2
East Germany.....	5	27	39	20	28	22
Hungary.....	9	13	16	10	10	12
Poland.....	36	29	40	39	31	32
Rumania.....	0	0	4	6	5	5
Far East						
Communist China.....	0	2	N.A.	N.A.	N.A.	N.A.

* Data refer to oceangoing cargo ships completed during the year but exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

CONSTRUCTION OF MARITIME TANKERS

SECRET

Table 152

Construction of Maritime Tankers^a in Selected Communist Countries
Selected Years, 1955-63

	1955	1958	1960	1961	1962	1963
	Thousand Gross Register Tons					
COMMUNIST COUNTRIES						
Soviet Bloc.....	97.8	58.3	112	76.7	91.9	119
USSR.....	97.8	58.3	95.9	48.4	50.8	81.3
European Satellites.....	0	0	15.7	28.3	41.1	38.0
Bulgaria.....	0	0	11.5	11.5	11.5	11.5
East Germany.....	0	0	4.2	0	0	0
Poland.....	0	0	0	16.8	29.6	26.5
						Units
COMMUNIST COUNTRIES						
Soviet Bloc.....	24	13	19	14	11	8
USSR.....	24	13	13	7	3	3
European Satellites.....	0	0	6	7	8	5
Bulgaria.....	0	0	3	3	3	3
East Germany.....	0	0	3	0	0	0
Poland.....	0	0	0	4	5	2

^a Data refer to oceangoing tankers completed during the year but exclude miscellaneous auxiliary ships, harbor craft, and small coastal ships.

SECRET

SECRET

CONSTRUCTION OF FISHING SHIPS

Table 153

Construction of Fishing Ships * in Selected Communist Countries
Selected Years, 1955-63

	1955	1958	1960	1961	1962	1963
	Thousand Gross Register Tons					
COMMUNIST COUNTRIES						
Soviet Bloc.....	53.9	86.6	187	183	176	202
USSR.....	20.5	53.8	77.2	120.5	107.2	125.6
European Satellites.....	33.4	32.8	109	62.8	69.3	76.1
East Germany.....	18.1	3.5	46.3	20.8	39.1	44.3
Poland.....	15.3	29.3	63.1	42.0	30.2	31.8
	Units					
COMMUNIST COUNTRIES						
Soviet Bloc.....	N.A.	60	162	72	80	95
USSR.....	N.A.	21	30	36	41	54
European Satellites.....	56	39	132	36	39	41
East Germany.....	27	7	93	10	20	22
Poland.....	29	32	39	26	19	19

* Including only countries in which domestic construction is a significant percentage of over-all construction. Data include only large fishing ships and exclude small fishing boats, seiners, and miscellaneous boats. Data have been revised and differ from the previous *Handbook*, in which data referred to all fishing ships, including small fishing boats, seiners, and miscellaneous boats.

SECRET

163

MAINLINE LOCOMOTIVES

SECRET

Table 154

Production of Mainline Locomotives ^a in Selected NATO and Communist Countries
Selected Years, 1955-63, and 1965 Plan

	Units ^b						
	1955	1958	1960	1961	1962	1963	1965 Plan
NATO COUNTRIES							
US ^c	1,381*	1,197*	943*	909*	1,389*	1,319*	
Canada.....	362*	417*	172*	N.A.*	N.A.*	N.A.*	
France.....	284*	385*	311*	298*	312*	318*	
Italy ^d	88*	112*	150*	216*	182*	104*	
UK.....	1,229*	1,063*	1,181*	880* ^e	806* ^e	701* ^e	
West Germany....	1,136*	1,227*	1,349*	980*	1,213*	N.A.*	
COMMUNIST COUNTRIES							
Soviet Bloc							
USSR.....	982*	1,056*	1,699*	2,012*	2,100*	2,162*	2,700*
European Satellites ^f							
Czechoslovakia....	125*	92*	169*	198*	219*	240*	
East Germany.....	321*	414*	493	484*	359	247	
Hungary.....	144*	31*	0*	8*	22*	15*	
Poland.....	315*	85*	180*	133*	49*	44*	
Rumania.....	54*	48*	10*	8*	35*	59*	
Far East							
Communist China..	98*	352*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	0	0	0	4	6*	15*	

* An asterisk indicates that the data are unclassified.

^a Data include all types of locomotives of 1,000 horsepower or more. Data before 1962 possibly include some locomotives of lower horsepower but these cannot be broken out. Because of the lack of consistency, totals for the NATO and the Communist countries have been omitted. For data on diesel and electric locomotives, see Tables 155 and 156 (p. 165, below).

^b Units of 1,000 horsepower or more, except as noted in footnote a, above.

^c Data refer to locomotive units, put into service and exported, that are substantially new but may include a small amount of used equipment. Data have been revised and differ from the previous *Handbook*, in which data referred to new railroad-service locomotives, some of which were less than 1,000 horsepower. Data for gas turbine locomotive units which are included in the total for the US but are not included in Tables 155 and 156 (p. 165, below) are as follows (in units): 1955, 0; 1958, 25; 1960, 12; 1961, 8; 1962, 1; and 1963, 0.

^d Including only locomotives produced for government railroads.

^e Data refer to locomotives added to the operating stock by the British Transport Commission and to exports.

^f For the countries of the European Satellites, data may differ from the previous *Handbook*, in which data included diesel and electric locomotives of less than 1,000 horsepower.

SECRET

SECRET

MAINLINE DIESEL LOCOMOTIVES
MAINLINE ELECTRIC LOCOMOTIVES

Table 155

Production of Mainline Diesel Locomotives in Selected NATO and Communist Countries
Selected Years, 1955-63, and 1965 Plan

	1955	1958	1960	1961	1962	1963	1965 Plan
Units *							
NATO COUNTRIES							
US ^b	1,371*	1,172*	930*	876*	1,361*	1,306*	
France	172*	226*	143*	170*	180*	204*	
UK	760*	958*	1,007* °	788* °	686* °	648* °	
West Germany	842*	796*	1,110*	738*	902*	N.A.*	
COMMUNIST COUNTRIES							
Soviet Bloc	134*	712*	1,320	1,460*	1,550	1,630*	
USSR	134*	712*	1,303*	1,455*	1,483*	1,519*	2,000* ^d
European Satellites °	0*	0*	12	8*	67	115*	
Czechoslovakia	0*	0*	0*	0*	30*	40*	
East Germany	0*	0*	2	0*	2	16*	90*
Rumania	0*	0*	10*	8*	35*	59*	95*
Far East							
Communist China	0*	2*	N.A.	N.A.	N.A.	N.A.	

* An asterisk indicates that the data are unclassified.

* Units of 1,000 horsepower or more.

^b Data refer to locomotive units, put into service and exported, that are substantially new but may include a small amount of used equipment. Data have been revised and differ from the previous *Handbook*, in which data excluded exports and referred to new railroad-service locomotives, some of which were less than 1,000 horsepower.

° Data refer to diesel locomotives added to the operating stock by the British Transport Commission and to exports.

^d Estimated plan for 1965.

° For the countries of the European Satellites, data may differ from the previous *Handbook*, in which data included diesel locomotive units of less than 1,000 horsepower.

Table 156

Production of Mainline Electric Locomotives in the US and the Communist Countries
Selected Years, 1955-63, and 1965 Plan

	1955	1958	1960	1961	1962	1963	1965 Plan
Units *							
US ^b							
US ^b	10*	0*	1*	25*	27*	13*	
COMMUNIST COUNTRIES							
Soviet Bloc	427*	767*	1,020*	1,200*	1,230*	1,130	
USSR	194*	344*	396*	557*	617*	643*	700* °
European Satellites	233*	423*	627*	642*	617*	490	
Czechoslovakia	10*	52*	169*	198*	189*	200*	230*
East Germany	212*	354*	420*	389*	357*	231	
Hungary	4*	0*	0*	8*	22*	15*	
Poland	7*	17*	38*	47*	49*	44*	
Far East							
North Korea	0	0	0	4	6*	15*	

* An asterisk indicates that the data are unclassified.

* Units of 1,000 horsepower or more.

^b Data refer to locomotive units, put into service and exported, that are substantially new but may include a small amount of used equipment. Because of definitional problems involved, data for other NATO countries are not presented.

° Estimated plan for 1965.

SECRET

165

FREIGHT CARS

SECRET

Table 157

Production of Mainline Railroad Freight Cars *
Selected Years, 1955-63

Thousand Units

	1955	1958	1960	1961	1962	1963	
NATO COUNTRIES ^b	129*	107*	86.3*	66.4*	75.6*	N.A.*	
US ^c	42.04*	44.28*	57.31*	31.86*	36.56*	44.97*	
COMMUNIST COUNTRIES							
Soviet Bloc.....	58.8*	63.0*	64.9*	64.6*	65.6*	68.6*	
USSR.....	34.40*	40.30*	36.40*	35.00*	35.70*	37.20*	
European Satellites..	24.4*	22.7*	28.5*	29.6*	30.0*	31.4*	
Bulgaria.....	0.99*	1.30*	2.01*	1.17*	1.55*	1.65*	
Czechoslovakia....	5.55*	5.37*	5.15*	6.52*	4.60*	5.00*	
East Germany.....	4.00*	3.08*	2.38*	1.90*	2.26*	2.50*	
Hungary.....	0.57*	0.33*	0.45*	0.38*	0.41*	0.50*	
Poland.....	11.92*	9.78*	13.89*	13.54*	15.49*	15.54*	
Rumania.....	1.37*	2.88*	4.62*	6.04*	5.64*	6.20* ^d	
Far East							
Communist China..	9.26*	9.68*	N.A.	N.A.	N.A.	N.A.	
North Korea.....	0*	0.18*	0.64*	1.60*	1.00*	1.24*	
North Vietnam....	0*	0*	0.49*	N.A.	N.A.	N.A.	
Other Communist Countries							
Yugoslavia.....	0.48*	2.29*	3.42*	2.35*	2.85*	3.00*	
Other NATO Countries							
	1955	1962	1955	1962	1955	1962	
Canada....	3.74*	N.A.*	Italy ^e	0.04*	1.72*	West Germany... 10.56*	14.77*
France....	8.43*	10.10*	UK.....	63.86*	12.43* ^f		

* An asterisk indicates that the data are unclassified.

^a Including cars of two, four, or more axles. Although the European NATO countries still are producing some smaller cars, most production in the US, the USSR, and the European Satellites now consists of four-axle units. Data for Italy include railroad passenger cars.

^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^c Shipments.

^d Excluding about 400 cars of 3 foot 6 inch gauge.

^e Data include railroad passenger cars.

^f Data have been revised since 1960 to relate to freight cars added to the operating stock by the British Transport Commission and to those exported, rather than to production data, which are no longer available.

SECRET

SECRET

AUTOMOBILES

Table 158

Production of Automobiles
Selected Years, 1955-63, and 1965 Plan

Thousand Units								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^a	10,700*	8,080*	11,800*	10,300*	12,700*	14,800*		
US ^b	7,920.2*	4,257.8*	6,674.8*	5,542.7*	6,704.8*	7,621.0*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	146*	216*	275*	296*	325*	340*		
USSR.....	107.8*	122.2*	138.8*	148.9*	165.9*	173.1*	200*	
European Satellites...	38.7*	94.2*	136*	148*	159*	167*		
Czechoslovakia....	12.5*	43.4*	56.2*	58.8*	64.3*	56.6*	110*	
East Germany.....	22.2*	38.4*	64.1*	69.6*	72.2*	83.4*	108*	
Poland.....	4.0*	11.5*	12.9*	14.4*	16.1*	18.2*	22.5*	
Rumania ^c	Negl.*	0.9*	3.0*	4.7*	6.3*	8.4*		
Far East								
Communist China ^c ...	0*	0*	0.2*	N.A.	N.A.	N.A.		
Other Communist Countries								
Yugoslavia.....	0.8*	2.9*	10.5*	15.0*	13.1*	20.9*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Canada ^b ...	375.0*	534.1*	Italy ^d	231.0*	1,105.3*	UK.....	897.6*	1,608.0*
France.....	553.3*	1,452.8*	Netherlands..	Negl.*	16.3*	West Germany...	705.4*	2,414.0*
Other Countries								
	1955	1963						
Japan.....	20.3*	407.7*						

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."

^b Factory sales, including parts shipped for assembly abroad.

^c Including jeeps.

^d Excluding production for the armed forces.

^e Including data for the Saar.

SECRET

167

COMMERCIAL VEHICLES

SECRET

Table 159

Production of Commercial Vehicles ^a
Selected Years, 1955-63, and 1965 Plan

Thousand Units								
	1955	1958	1960	1961	1962	1963	1965 Plan	
NATO COUNTRIES ^b	2,080*	1,810*	2,390*	2,340*	2,460*	2,770*		
US ^c	1,249.1*	877.3*	1,194.5*	1,133.8*	1,246.2*	1,457.4*		
COMMUNIST COUNTRIES								
Soviet Bloc.....	386*	446*	455*	476*	481*	491*		
USSR.....	337.5*	388.9*	384.8*	406.4*	411.5*	414.0*	603*	
European Satellites...	48.7*	56.7*	69.8*	70.1*	69.8*	76.8*		
Czechoslovakia....	14.0*	16.0*	19.0*	18.7*	18.4*	15.5*	22.3*	
East Germany.....	14.2*	15.7*	12.9*	11.9*	8.0*	9.6*	17.6	
Hungary.....	5.0*	5.2*	4.8*	5.4*	6.0*	6.1*		
Poland.....	12.5*	13.8*	24.0*	24.0*	28.7*	33.8*	34*	
Rumania.....	3.0*	6.0*	9.1*	10.1*	8.7*	11.8*		
Far East								
Communist China..	0*	16.0*	N.A.	N.A.	N.A.	N.A.		
North Korea.....	0*	0*	3.1*	3.3*	4.5*	4.0*	10* ^d	
Other Communist Countries								
Yugoslavia.....	2.7*	4.8*	5.5*	6.3*	7.3*	8.8*		
Other NATO Countries								
	1955	1963		1955	1963		1955	1963
Canada ^e	78.6*	99.2*	Italy ^f	38.4*	75.3*	UK.....	339.5*	403.9*
France.....	171.8*	253.9*	Netherlands.....	1.9*	5.5*	West Germany....	203.1*	476.3*

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data refer to light and heavy trucks, wheeled tractors for road haulage, **special** vehicles, and buses.^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Factory sales, including parts shipped for assembly abroad.^d Plan data for 1967.^e Factory sales.^f Excluding production for the armed forces.

SECRET

SECRET

INVENTORY OF AIRCRAFT

Table 160

Inventory of Aircraft in Scheduled Airlines * in the US and the USSR
1958-63

	Units					
	1958	1959	1960	1961	1962	1963
US:						
Total airliners.....	1,870*	1,830*	1,840*	1,850*	1,810*	1,760*
Jet.....	6*	84*	202*	319*	396*	426*
Turboprop.....	90*	213*	227*	257*	251*	248*
Piston.....	1,777*	1,530*	1,413*	1,274*	1,162*	1,085*
Transport helicopters.....	22*	23*	25*	19*	20*	20*
USSR:						
Total airliners.....	1,660	1,780	1,870	1,940	1,940	1,850
Jet.....	75	155	190	200	220	220
Turboprop.....	40	125	180	270	380	440
Piston.....	1,550	1,500	1,500	1,470	1,340	1,190
Transport helicopters.....	40	100	225	300	240	270

* An asterisk indicates that the data are unclassified.

* Data are as of the end of the year and exclude light aircraft.

SECRET

169

INVENTORY OF LOCOMOTIVES

SECRET

Table 161

Inventory of Locomotives *
Selected Years, 1955-63

	Units					
	1955	1958	1960	1961	1962	1963
NATO COUNTRIES ^b	89,900*	84,500*	79,800*	77,900*	74,500*	N.A.*
US.....	33,533*	31,616*	31,178*	30,889*	30,701*	N.A.*
COMMUNIST COUNTRIES						
Soviet Bloc.....	58,000	58,800	57,400	55,500	53,600	52,300
USSR.....	34,800*	36,100*	34,200*	32,400*	30,200*	28,700*
European Satellites.....	23,200	22,700	23,200	23,100	23,400	23,600
Bulgaria.....	604	625	635	645	682	732
Czechoslovakia.....	5,134*	5,144*	5,230*	5,143*	5,302*	5,382*
East Germany.....	6,476	5,670	6,023	5,980	5,980	5,985
Hungary.....	2,322*	2,400	2,460	2,500	2,542	2,575
Poland.....	5,600	5,910	5,800	5,838	5,888	5,922
Rumania.....	3,048	2,996	3,012	3,014	3,021	3,052
Far East						
Communist China.....	3,500	4,250	N.A.	N.A.	N.A.	N.A.
North Korea.....	N.A.	N.A.	350	360	374	390
North Vietnam.....	60	60	70	80	80	90
Other Communist Countries						
Albania.....	7	7	9*	9*	9*	9*
Yugoslavia.....	2,335*	2,282*	2,325*	2,375*	2,323*	N.A.

Other NATO Countries

	1955	1962		1955	1962		1955	1962
Belgium....	2,097*	1,419*	Italy.....	5,664*	4,865*	Portugal.....	509*	467* ^d
Canada....	4,714*	3,497*	Luxembourg....	130*	87*	Turkey.....	997*	953*
Denmark....	660*	685* ^c	Netherlands....	760*	675*	UK.....	18,564*	12,674*
France.....	10,245*	7,588*	Norway.....	533*	436*	West Germany.	11,268*	10,215*
Greece.....	206*	226* ^d						

* An asterisk indicates that the data are unclassified.

^a Data refer to diesel, diesel-electric, steam, and electric locomotives.^b NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^c Including data for 1961 for private railroads.^d Data are for 1961 and are included in the NATO total for 1962.^e Including Northern Ireland.

SECRET

INVENTORY OF RAILROAD FREIGHT CARS

Table 162

Inventory of Railroad Freight Cars * in Selected NATO and Communist Countries
Selected Years, 1955-63

Thousand Units								
	1955	1958	1960	1961	1962	1963		
US ^b	1,996.4*	2,031.2*	1,965.5*	1,905.3*	1,850.7*	N.A.*		
COMMUNIST COUNTRIES								
USSR ^c	832.2*	903.8*	948.9*	965.0*	980.0*	998.0*		
Bulgaria.....	16.3*	18.8*	22.8*	23.3*	27.1*	28.8*		
Czechoslovakia.....	119.7*	128.4*	134.0*	137.7*	141.0*	144.7*		
East Germany ^d	144.7	147.0	149.4	148.9	149.5	154.0		
Hungary ^d	58.2*	59.5*	62.0*	64.6*	66.8*	69.0*		
Poland ^d	210.0	232.0	249.0	253.3	257.5	258.8		
Rumania.....	52.2*	55.0*	55.5*	59.7*	61.7*	62.6*		
Communist China ^e	73.8	96.3	131.9	132.1	130.0	129.0		
North Korea ^e	N.A.	N.A.	10.4*	10.8*	11.7*	12.8*		
North Vietnam.....	0.7	0.9	1.0	1.3	1.3	1.4		
Albania ^d	0.2	0.3	0.5	0.7	0.7	0.7		
Yugoslavia.....	67.1*	71.2*	72.6*	73.4*	73.2*	N.A.		
Other NATO Countries								
	1955	1962	1955	1962	1955	1962		
Belgium....	76.5*	70.1*	Italy.....	130.8*	132.6*	Portugal.....	10.1*	10.2* ^g
Canada.....	186.0*	190.3*	Luxembourg..	3.7*	3.6*	Turkey.....	17.1*	17.4*
Denmark ^f ..	13.9*	12.0*	Netherlands..	24.3*	23.0*	UK ^h	1,131.0*	867.0*
France.....	377.1*	356.7*	Norway.....	12.6*	11.1*	West Germany....	295.7*	319.2*
Greece.....	5.1*	6.2* ^g						

* An asterisk indicates that the data are unclassified.

^a Data refer to cars of two, four, or more axles. The size of the car is given in the footnotes if it is known. Because of the lack of comparability in data, totals for NATO and the Communist countries are omitted.

^b All freight cars have four axles or more.

^c Of the freight cars in the USSR, over 80 percent had four or more axles in 1963.

^d Excluding narrow-gauge rolling stock.

^e Most freight cars have four axles.

^f Cars for government railroads only.

^g Data are for 1961.

^h Excluding privately owned tank cars.

SECRET

171

INVENTORY OF TRUCKS

SECRET

Table 163

Inventory of Trucks
Selected Years, 1955-63

Thousand Units

	1955	1958	1960	1961	1962	1963
NATO COUNTRIES ^a	14,700*	16,200*	17,500*	18,200*	19,000*	N A.*
US ^b	9,893.4*	10,659.3*	11,360.5*	11,694.2*	12,189.1*	12,662.0*
COMMUNIST COUNTRIES						
Soviet Bloc.....	1,540	2,320	2,720	2,940	3,180*	3,410*
USSR.....	1,275.0*	1,951.0*	2,311.0*	2,501.0*	2,677.0*	2,844.0*
European Satellites.....	263	365	411	438	505*	563*
Bulgaria.....	9.0*	19.0*	20.0*	20.0*	20.4*	21.0*
Czechoslovakia.....	61.5*	82.0*	90.0*	95.0*	100.0*	110.0*
East Germany.....	89.1	105.8	115.0	120.0	155.0*	165.0*
Hungary.....	18.0	22.3	25.5	27.5	38.3*	40.0*
Poland.....	73.2*	102.4*	120.1*	131.7*	143.2*	177.0*
Rumania.....	12.0	33.5*	40.0*	44.0*	48.0*	49.7*
Far East						
Communist China.....	65.0	96.0	N.A.	N.A.	N.A.	N.A.
North Korea.....	N.A.	N.A.	20.0	23.0	26.0	30.0
North Vietnam.....	N.A.	N.A.	N.A.	2.0	2.0	2.0
Other Communist Countries						
Albania.....	1.8	2.5*	3.0*	3.2*	3.5*	4.0*
Yugoslavia ^c	26.1*	40.6*	50.7*	46.5*	56.9*	N.A.

Other NATO Countries

	1955	1962		1955	1962		1955	1962
Belgium ^d	132.0*	194.0*	Iceland ^f	5.8*	6.7*	Portugal.....	44.8*	82.6*
Canada.....	906.0*	1,106.0*	Italy.....	413.0*	774.3*	Turkey.....	34.4*	64.7*
Denmark....	99.3*	201.0*	Luxembourg...	6.3*	9.0*	UK ^g	1,145.2*	1,458.2* ^h
France.....	1,155.9*	1,782.8*	Netherlands ^d ..	102.0*	176.2*	West Germany ⁱ ..	632.2*	782.8*
Greece ^f	25.5*	51.4*	Norway.....	79.9*	115.2*			

* An asterisk indicates that the data are unclassified.

^a NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries."^b Data are for the number of registrations for privately owned trucks and include duplications where trucks are registered in more than one state.^c Data are as of 1 October.^d Data are as of 1 August.^e Data are for 1954 and are included in the NATO total for 1955.^f Including buses.^g Including Northern Ireland.^h Including data for 1961 for Northern Ireland.ⁱ Data are as of 1 July.

Table 164

Inventory of Merchant Fleet *
Selected Years, 1958-63, and 1965 Plan

	1958		1960		1961		1962		1963		1965 Plan ^b	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO COUNTRIES ^a	10,500*	72,700*	10,800*	79,800*	10,600*	81,400*	10,600*	84,000*	10,600*	86,400*		
US ^d	3,047*	23,840*	2,960*	23,870*	2,810*	23,018*	2,715*	22,580*	2,691*	22,692*		
COMMUNIST COUNTRIES ^e												
Soviet Bloc.....	854	3,220	1,020	4,220	1,090	4,680	1,220	5,560	1,350	6,460		
USSR ^f	721	2,629	829	3,283	871	3,586	960	4,200	1,057	4,900	1,250*	6,700*
European Satellites.	133*	594*	189*	932*	218*	1,090*	265*	1,360*	296*	1,560*		
Bulgaria.....	9*	30*	15*	46*	21*	90*	24*	113*	33*	172*	42*	160*
Czechoslovakia..	5*	33*	11*	85*	10*	70*	9*	64*	11*	82*	23*	165*
East Germany..	15*	81*	29*	174*	35*	215*	54*	315*	62*	400*	73*	390*
Hungary.....	6*	7*	8*	10*	9*	11*	10*	12*	12*	14*	22*	50*
Poland ^g	91*	412*	119*	585*	129*	650*	147*	756*	159*	813*	220*	1,000*
Rumania.....	7*	31*	7*	32*	14*	53*	21*	99*	19*	84*	30*	125*
Far East												
Communist China ^h	109	327	147	516	156	564	157	576	156	567		
North Korea....	0*	0*	0*	0*	1*	2*	1*	2*	2*	3*		
Other Communist Countries												
Albania.....	N.A.	N.A.	4*	8*	6*	21*	7*	30*	8*	33*	10*	50*
Cuba ⁱ	15*	41*	28*	89*	28*	89*	28*	94*	32*	124*		
Yugoslavia ^j	86*	375*	130*	617*	148*	741*	159*	845*	163*	872*		
Other NATO Countries												Thousand GRT
	1958	1963			1958	1963			1958	1963		
Belgium.....	522*	647*	Iceland.....	49*	58*			Portugal.....	423*	536*		
Canada.....	289*	244*	Italy.....	4,654*	5,022*			Turkey.....	527*	655*		
Denmark.....	1,877*	2,202*	Netherlands.....	4,034*	4,651*			UK.....	18,292*	20,150*		
France.....	4,085*	4,824*	Norway.....	8,956*	13,082*			West Germany.....	3,577*	4,711*		
Greece.....	1,575*	6,886*										

* An asterisk indicates that the data are unclassified.

^a Data refer to ships of 1,000 gross register tons (GRT) or more. Data for the NATO countries include all combination passenger and cargo ships, whereas those for the Communist countries exclude passenger ships that have small cargo capacities.^b Estimated plan for 1965.^c NATO totals include only data for the US and those NATO countries that are listed under "Other NATO Countries." Data are as of midyear.^d Including both private and government-owned fleets but excluding merchant ships owned by any military force.^e Unless otherwise indicated, data are as of the end of the year.^f Excluding the Caspian Sea fleet.^g Data include a varying number of ships flying the Polish flag but under the control of the Chinese-Polish Shipbrokers Corporation. At the end of 1963, there were 17 of these ships, totaling 142,700 GRT.^h Including coastal passenger ships.ⁱ Data are as of midyear.

Table 165

Inventory of Tanker Fleet *
Selected Years, 1958-63

	1958		1960		1961		1962		1963	
	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT	Number	Thousand GRT
NATO COUNTRIES ^b	1,990*	20,900*	2,160*	25,400*	2,140*	26,800*	2,100*	27,700*	2,080*	28,700*
US ^c	384*	4,162*	428*	4,910*	424*	5,014*	409*	5,038*	388*	4,890*
COMMUNIST COUNTRIES										
Soviet Bloc.....	108*	613*	140*	923*	154*	1,080*	179*	1,360*	195*	1,630*
USSR ^d	102*	563*	128*	820*	136*	923*	156*	1,148*	169*	1,372*
European Satellites.....	6*	50*	12*	103*	18*	155*	23*	213*	26*	256*
Bulgaria.....	0*	0*	2*	10*	6*	41*	6*	41*	7*	54*
Czechoslovakia.....	0*	0*	1*	13*	1*	13*	1*	13*	1*	13*
East Germany.....	2*	16*	4*	33*	6*	49*	8*	69*	10*	94*
Poland.....	4*	34*	5*	47*	5*	52*	6*	65*	6*	70*
Rumania.....	0*	0*	0*	0*	0*	0*	2*	25*	2*	25*
Far East										
Communist China.....	10	18	11	22	13	40	13	40	13	40
Other Communist Countries										
Cuba ^e	2*	3*	2*	3*	2*	3*	1*	1*	2*	4*
Yugoslavia ^e	4*	24*	6*	40*	7*	56*	9*	68*	10*	70*

Other NATO Countries

	Thousand GRT			Thousand GRT			Thousand GRT	
	1958	1963		1958	1963		1958	1963
Belgium.....	111*	200*	Iceland.....	12*	11*	Portugal.....	79*	130*
Canada.....	116*	94*	Italy.....	1,427*	1,869*	Turkey.....	61*	121*
Denmark.....	682*	807*	Netherlands.....	1,167*	1,640*	UK.....	5,632*	7,621*
France.....	1,596*	2,135*	Norway.....	5,279*	6,888*	West Germany.....	405*	687*
Greece.....	166*	1,621*						

* An asterisk indicates that the data are unclassified.

^a Unless otherwise indicated, data are as of the end of the year and refer to ships of 1,000 gross register tons (GRT) or more and to whaling tankers.^b NATO totals include only data for the US and those NATO Countries that are listed under "Other NATO Countries." Data are as of midyear.^c Including both private and government-owned fleets.^d Excluding the Caspian Sea fleet.^e Data are as of midyear.

SECRET

INDEX

	<i>Page</i>		<i>Page</i>
Academic and technical students	67	Civil airfreight traffic	159
Acid, sulfuric	93	Civilian employment, distribution of . .	21
Aggregative data	1-12	Cloth, cotton	40
Agricultural equipment	91, 92	Coal, brown and lignite	105
Agricultural labor force	22	Coal, hard	104
Agricultural production indexes, Euro- pean Satellites	77	Cobalt	120
Agricultural production index, USSR . .	74	Coffee, green	48
Agriculture and processed foods	71-92	Coke, metallurgical	106
Agriculture, new lands, USSR	75	Combines, grain	91
Aid, economic and military	65-68	Commercial vehicles, production of . .	168
Aircraft in scheduled airlines, inven- tory of	169	Communications	131-136
Aircraft, military, production of	149	Communications equipment, inventory of	136
Airfreight traffic, civil	159	Communications equipment, produc- tion of	134, 135
Albania, economic indicators	46	Communications, performance	131-133
Aluminum, primary	123	Communist China, direction of trade .	63
Ammonia, synthetic	94	Communist China, economic indicators	40
Ash, soda	95	Communist China, grain	76
Automobiles	167	Communist countries, trade turnover	53
Balance of payments	69, 70	Communist countries, trade with the Free World	56
Bauxite	124	Communist countries, trade with the USSR	55
Benzol, refined	97	Communist economic and military technicians	68
Blast-furnace ferroalloys and pig iron .	114	Construction	144-146
Breadgrains	79	Construction, total housing	145
Bricks	47	Construction, value of	144
Brown coal and lignite	105	Consumer goods	137-141
Budget, state, USSR	14	Consumer goods, comparison of . .	137, 138
Bulgaria, economic indicators	28	Conversion factors	inside back cover
Butter	47	Copper, refined	122
Calls, telephone, long-distance	132	Cotton cloth	40
Calories per day, food availability	72	Cotton fabric, consumption of	138
Cars, railroad freight, inventory of . . .	171	Cotton, ginned	89
Cars, railroad freight, production of . .	166	Cotton yarn	139
Cattle	87	Crops, food	78-82
Caustic soda	96	Crops, industrial	89, 90
Cement	146	Crude oil	107
Chemical equipment	102	Crude steel	113
Chemical equipment, USSR imports . .	64	Cuba, economic indicators	48
Chemicals	93-99		
Chemicals and rubber	93-102		
Chromite	118		

SECRET

175

SECRET

	<i>Page</i>		<i>Page</i>
Currency, foreign rates of exchange		Fabric, wool, consumption of	138
inside back cover		Factors, conversion	inside back cover
Czechoslovakia, economic indicators	30	Ferroalloying metals, iron, steel, man-	
Daily availability of food per capita	72	ganese	113-121
Defense expenditures, USSR	13, 16	Fertilizers, mineral	98, 99
Diesel locomotives	165	Fibers, synthetic and rayon yarn	141
Diets	73	Fish catch	86
Distribution of civilian employment	21	Fishing ships, construction of	163
Distribution of gross national product,		Fleet, merchant, inventory of	173
by end use, for the USSR	4	Fleet, tanker, inventory of	174
East Germany, economic indicators	32	Food availability per capita	72
Economic aid	65, 66	Food crops	78-82
Economic and military aid	65-68	Footwear, leather, consumption of	138
Economic indicators, Albania	46	Footwear, leather, production of	141
Economic indicators, Bulgaria	28	Foreign exchange rates	inside back cover
Economic indicators, Communist China	40	Foreign trade	53-63
Economic indicators, Cuba	48	Foreign trade turnover	53
Economic indicators, Czechoslovakia	30	Foreign trade, within Communist coun-	
Economic indicators, East Germany	32	tries	54
Economic indicators, Hungary	34	Freight cars, railroad, inventory of	171
Economic indicators, India	24	Freight cars, railroad, production of	166
Economic indicators, Mongolia	47	Freight traffic, highway	154, 155
Economic indicators, North Korea	42	Freight traffic, inland water	156, 157
Economic indicators, North Vietnam	44	Freight traffic, ocean	158
Economic indicators, Poland	36	Freight traffic, railroad	152, 153
Economic indicators, Rumania	38	Fuels	103-109
Economic indicators, US and USSR	6	Fuels and power	103-112
Economic indicators, USSR	26	Gas, natural	109
Economic indicators, Yugoslavia	50	Generators, electric	111
Electric generators	111	Ginned cotton	89
Electric locomotives	165	Gold, USSR	70
Electric motors	143	Grain combines	91
Electric power	110	Grain, Communist China	76
Electron tubes	134	Grain, total	78
Energy, primary	103	Grain, USSR	74
Equipment, agricultural	91, 92	Grains, other	80
Equipment, chemical	102	Green coffee	48
Equipment, chemical, USSR imports	64	Gross industrial production	10
Equipment, communications, inventory		Gross investment in industry, indexes	
of	136	of	12
Equipment, communications, produc-		Gross national product	1-5
tion of	134, 135	Gross national product, by end use, US	
Equipment, metallurgical	129	and USSR	3
Equipment, power	111, 112	Gross national product, comparative	
Equipment, transportation, inventory		data	1
of	169-174	Gross national product, by end use, dis-	
Equipment, transportation, production		tribution for the USSR	4
of	161-168	Gross national product, selected NATO	
Exchange rates, foreign	inside back cover	countries	5
Fabric, cotton, consumption of	138		

SECRET

	<i>Page</i>		<i>Page</i>
Growth in civilian goods, USSR	17	Locomotives, inventory of	170
Growth in defense, USSR	15	Locomotives, mainline, production of	164
Growth in industrial production, European Satellites	9	Long-distance telephone calls	132
Growth in investment, USSR	15	Machine tools, metalcutting	142
Growth in military goods, USSR	17	Machine tools, metalforming	143
Hard coal	104	Magnesium, primary	128
Highway freight traffic	154, 155	Mainline diesel locomotives	165
Hogs	88	Mainline electric locomotives	165
Housing, total construction	145	Mainline freight cars, inventory of	171
Hungary, economic indicators	34	Mainline freight cars, production of	166
Hydroelectric power	110	Mainline locomotives, inventory of	170
India, economic indicators	24	Mainline locomotives, production of	164
Indicators, economic, Albania	46	Manganese ore	116
Indicators, economic, Bulgaria	28	Manufactured items	137-149
Indicators, economic, Communist China	40	Maritime cargo ships, construction of	161
Indicators, economic, Cuba	48	Maritime tankers, construction of	162
Indicators, economic, Czechoslovakia	30	Meat	83
Indicators, economic, East Germany	32	Merchant fleet, inventory of	173
Indicators, economic, Hungary	34	Metalcutting machine tools	142
Indicators, economic, India	24	Metalforming machine tools	143
Indicators, economic, Mongolia	47	Metallurgical coke	106
Indicators, economic, North Korea	42	Metallurgical equipment	129
Indicators, economic, North Vietnam	44	Metals, ferrous and ferroalloying	113-121
Indicators, economic, Poland	36	Metals, nonferrous	122-128
Indicators, economic, Rumania	38	Military aircraft, production of	149
Indicators, economic, US and USSR	6	Military end items	147-149
Indicators, economic, USSR	26	Milk	84
Indicators, economic, Yugoslavia	50	Mineral fertilizers	98, 99
Industrial crops	89, 90	Minerals and metals	113-129
Industrial production indexes	8, 10, 11	Molasses	48
Inland transport, total	151	Molybdenum	119
Inland water freight traffic	151	Mongolia, economic indicators	47
International trade of the USSR	57	Motors, electric	143
Investment in industry, indexes of	12	Motor vehicles	6, 24
Iron ore	115	Motor vehicle tires	100
Iron, pig	114	National product, gross	1-5
Labor force	20	Natural gas	109
Labor force, agricultural	22	Natural rubber	101
Labor force, nonagricultural	23	Naval ships, construction of	148
Land utilization	71	Naval ships, inventory of	147
Land utilization and food per capita	71-77	New lands, USSR, agriculture	75
Lead	125	Nickel, refined	117
Leather footwear, consumption of	138	Nonagricultural labor force	23
Leather footwear, production of	141	Nonferrous ores and metals	122-128
Lignite and brown coal	105	North Korea, economic indicators	42
Lime	47	North Vietnam, economic indicators	44
Livestock	87, 88	Ocean freight traffic	158
Locomotives, diesel	165	Oil, crude	107
Locomotives, electric	165	Ore, iron	115
		Ore, manganese	116

SECRET

	<i>Page</i>		<i>Page</i>
Ore, tungsten	121	Rubber, synthetic	101
Ores and metals, nonferrous	122-128	Rubber tires	100
Other grains	80	Rumania, economic indicators	38
Passenger-kilometers flown, scheduled airlines	159	Scheduled airlines, passenger-kilome- ters flown	159
Payments, balance of	69, 70	Ships, fishing, construction of	163
Payments deficit, USSR	69	Ships, maritime cargo, construction of	161
Performance, communications	131-133	Ships, naval, construction of	148
Performance, transportation	151-160	Ships, naval, inventory of	147
Petroleum, exports, USSR	62	Soda ash	95
Petroleum pipeline transportation	160	Soda, caustic	96
Petroleum products	108	Soybeans	40
Pig iron	114	Sponge, titanium	128
Pipeline transportation, petroleum	160	State budget, USSR	14
Plastics	99	Stations, TELEX network	133
Poland, economic indicators	36	Steel, crude	113
Population	19-23	Sugar	85
Population, total	19	Sulfuric acid	93
Potatoes	82	Sweet potatoes	44
Potatoes, sweet	44	Synthetic ammonia	94
Power	110	Synthetic fibers and rayon yarn	141
Power, electric	110	Synthetic rubber	101
Power equipment	111, 112	Tanker fleet, inventory of	174
Power, hydroelectric	110	Tankers, maritime, construction of	162
Primary aluminum	123	Tea	24
Primary energy	103	Telegrams, number sent	132
Primary magnesium	128	Telephone calls, long-distance	132
Primary tin metal	127	Telephones in use	131
Processed foods and fish catch	83-86	Television receivers, inventory of	136
Producer goods	142, 143	Television receivers, production of	135
Radio receivers, inventory of	136	TELEX network, stations	133
Radio receivers, production of	134	Tin metal, primary	127
Railroad freight cars, inventory of	171	Tires, rubber	100
Railroad freight cars, production of	166	Titanium sponge	128
Railroad freight traffic	152, 153	Tobacco	48
Rates, foreign exchange . inside back cover		Tools, metalcutting machine	142
Rayon yarn and synthetic fibers	141	Tools, metalforming machine	143
Receivers, radio, inventory of	136	Total grain	78
Receivers, radio, production of	134	Total housing construction	145
Receivers, television, inventory of	136	Tractors	92
Receivers, television, production of	135	Trade and aid	53-70
Refined benzol	97	Trade, chemical equipment, USSR im- ports	64
Refined copper	122	Trade, commodity, USSR with the in- dustrial West	58, 59
Refined nickel	117	Trade, commodity, USSR with the less developed countries	60, 61
Refined zinc	126	Trade, Communist China, direction of	63
Refrigerators, distribution of	138	Trade, Communist countries with the Free World	56
Refrigerators, production of	137		
Rice	81		
Rubber	100, 101		
Rubber, natural	101		

SECRET

	<i>Page</i>		<i>Page</i>
Trade, foreign	53-63	Turbines	112
Trade turnover	53	US and USSR, economic indicators ..	6
Trade, USSR, direction of	57	USSR, economic indicators	26
Trade, USSR, petroleum exports	62	USSR, foreign trade	57
Trade, within the Communist coun- tries	54	USSR, selected data	13-17
Trade, with the USSR	55	USSR, state budget	14
Traffic, civil air freight	159	Utilization, land	71
Traffic, highway freight	154, 155	Value of construction	144
Traffic, inland water freight	156, 157	Vehicles, commercial	168
Traffic, ocean freight	158	Vehicles, motor	6, 24
Traffic, railroad freight	152, 153	Washing machines, distribution of ...	138
Transportation	151-174	Washing machines, production of	137
Transportation equipment, inventory of	169-174	Water, inland freight traffic	156, 157
Transportation equipment, production of	161-168	Wheat	24
Transportation, performance	151-160	Wool	90
Transport, total inland	151	Wool fabric, consumption of	138
Trucks, inventory of	172	Woolen yarn	140
Tubes, electron	134	Yarn, cotton	139
Tungsten ore	121	Yarn, rayon and synthetic fibers	141
		Yarn, woolen	140
		Yugoslavia, economic indicators	50
		Zinc, refined	126

UNCLASSIFIED

Foreign Rates of Exchange for Currencies of the Communist Countries
as of 1 June 1964

		Rate of Exchange			
		In Terms of US \$1		In Terms of 1 Ruble	
		Commercial Rate ^a	Noncom- mercial Rate ^b	Commercial Rate ^a	Noncom- mercial Rate ^b
	Unit of Currency				
USSR.....	Ruble.....	0.90			
Bulgaria.....	Lev.....	1.17	2.00	1.3	0.78
Czechoslovakia.....	Koruna.....	7.2	14.34	8.0	9.66
East Germany.....	Deutsche Mark East.....	4.2 ^c	4.2	4.67 ^c	3.20
Hungary.....	Forint.....	11.74	23.48	13.04	13.11
Poland.....	Zloty.....	4	24	4.44	15.30
Rumania.....	Leu.....	6	15	6.67	8.30
Communist China.....	Yuan.....	{ 2.46 ^d 4.00 }	2.46 ^e	N.A.	1.29
North Korea.....	Won.....				
North Vietnam.....	Dong.....	2.57 ^f	2.57 ^f	N.A.	1.44
Albania.....	Lek.....	3.7 ^g	3.7 ^g	N.A.	1.92
		50	150	55.56	84.00

^a Official rates unless otherwise indicated. These rates are used for converting trade statistics.

^b Rates used for noncommercial transactions such as diplomatic, tourist and student expenditures, personal remittances, and the like. Some countries have special rates for tourists in addition to the noncommercial rate.

^c The unofficial rate actually used in East German accounting of foreign trade transactions. Official rates still listed, but not used, are 2.22 DME to US \$1 and 2.47 DME to 1 ruble.

^d Generally accepted conversion rates, with the rate of 2.46 being used in trade with the Free World and the rate of 4.0 in trade with the Communist countries. Because official rates have never been announced by Communist China, these conversion rates have been estimated and, therefore, represent only approximations of actual rates.

^e An approximate rate. Actual rates vary depending on the transaction involved and the currency being traded. Actual rates also appear to change from time to time.

^f A bank rate. North Korea has not announced an official relationship between the won and Free World currencies. This rate probably is used for noncommercial transactions.

^g A bank rate. North Vietnam has not announced an official relationship between the dong and Free World currencies. This rate probably is used for noncommercial transactions.

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SELECTED CONVERSION FACTORS

To Convert From	To	Multiply By
Acres.....	Hectares.....	0.404687
Acres.....	Kilometers, square.....	0.00404687
Acres.....	Meters, square.....	4,046.87
Acres.....	Miles, square.....	0.0015625
Degrees, Celsius *......	Degrees, Fahrenheit.....	$\frac{5}{9} (^{\circ}\text{F} - 32^{\circ})$
Degrees, Fahrenheit.....	Degrees, Celsius.....	$\frac{9}{5} (^{\circ}\text{C}) + 32^{\circ}$
Feet.....	Meters.....	0.30480061
Feet, cubic.....	Meters, cubic.....	0.028317
Feet, cubic.....	Tons, register.....	0.01
Feet, square.....	Meters, square.....	0.09290341
Hectares.....	Acres.....	2.471045
Hectares.....	Kilometers, square.....	0.01
Kilometers.....	Miles, US nautical.....	0.539957
Kilometers.....	Miles, statute.....	0.621370
Kilometers, square.....	Acres.....	247.1045
Kilometers, square.....	Hectares.....	100
Kilometers, square.....	Miles, square.....	0.386101
Meters.....	Feet.....	3.28083333
Meters.....	Yards.....	1.093611
Meters, cubic.....	Tons, register.....	0.353357
Meters, square.....	Feet, square.....	10.763865
Meters, square.....	Yards, square.....	1.195985
Miles, US nautical.....	Kilometers.....	1.852001
Miles, square.....	Acres.....	640
Miles, square.....	Hectares.....	259
Miles, square.....	Kilometers, square.....	2.59
Miles, statute.....	Kilometers.....	1.60934722
Pounds.....	Quintals.....	0.00453592
Pounds.....	Tons, metric.....	0.00453592
Quintals.....	Pounds.....	220.4622
Quintals.....	Tons, metric.....	0.1
Tons, long.....	Tons, metric.....	1.016047
Ton-kilometers, metric.....	Ton-miles, short.....	0.684942
Tons, metric.....	Pounds.....	2,204.622
Tons, metric.....	Quintals.....	10
Tons, metric.....	Tons, long.....	0.984207
Tons, metric.....	Tons, short.....	1.102310
Ton-miles, short.....	Ton-kilometers, metric.....	1.459975
Tons, register.....	Feet, cubic.....	100
Tons, register.....	Meters, cubic.....	2.83
Tons, short.....	Tons, metric.....	0.907185
Yards.....	Meters.....	0.9144018
Yards, square.....	Meters, square.....	0.836131

* Formerly known as Centigrade.

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